Service
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Service Manual

Horizontal Frequency
30-83 kHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFOMER FOR THIS UNIT WHEN SERVICING

Revision List

Revision	Date	Revision History	TPV Model
A00	Jun.-18-07	First Version Release	T76CRTDBF1ACA
A01	Dec.-10-07	Second Release	T76CRTDBF1A2E

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.
Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit.
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person’s body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

1. Monitor Specifications

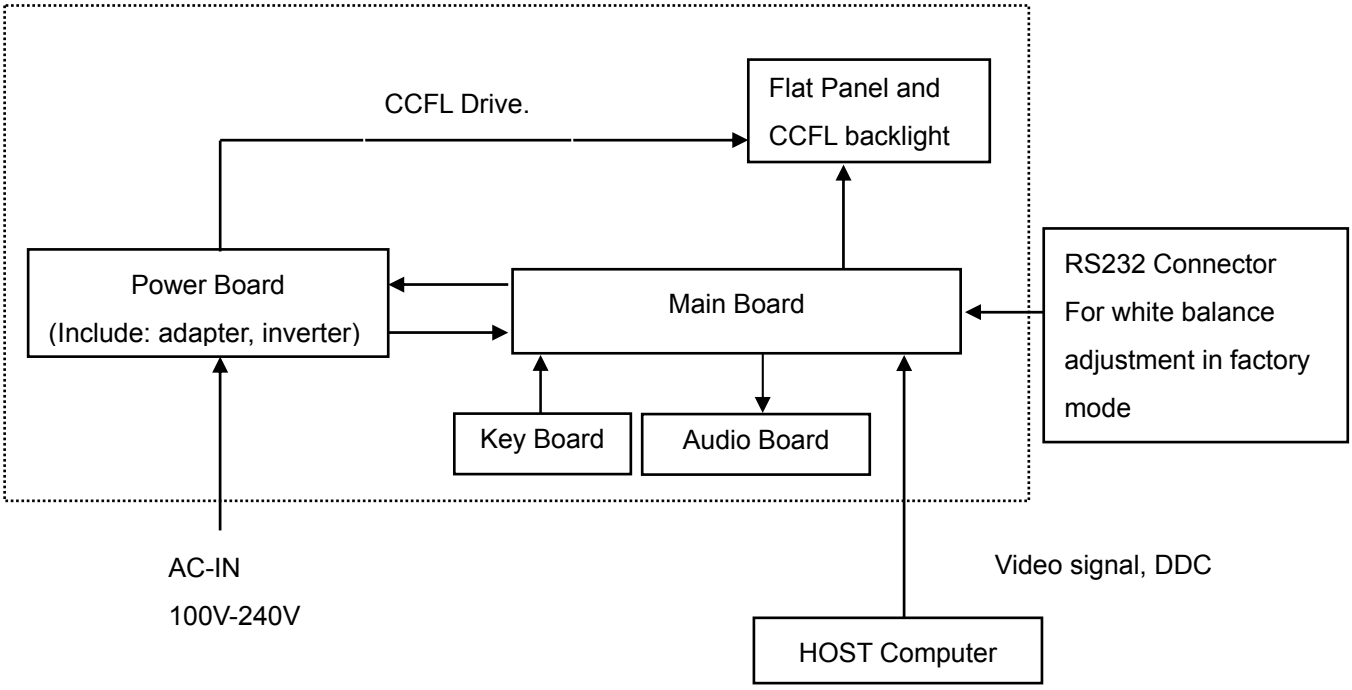
Items	Descriptions	
LCD Panel	Driving system	TFT Color LCD
	Type	CLAA170EA07
	Size	43.2cm 17"
	Pixel pitch	0.264mm(H)x 0.264mm(V)
	Viewable angle	160° (H) 160° (V) (CR≥10)
	Response time (type)	5 ms for CPT
Input	Video	R,G,B Analog Interface
		Digital Interface
	Connector	15-pin D-Sub
		DVI 24pin
	Video Signal	Analog:0.7Vp-p(standard), 75 OHM, Positive and TMDS
		Digital signal
	Sync. Type	H/V TTL
	H-Frequency	30kHz – 83kHz
	V-Frequency	55-75Hz
Power Consumption	ON Mode	≤37W
	OFF Mode	≤1W
Contrast Ratio	700:1	
Dot Clock	135 MHz	
White Luminance	300cd/m^2	
Max. Resolution	1280 x1024	
Display Color	16.7M colors	
Plug & Play	VESA DDC2B™	
Power Source	100~240VAC,47~63Hz	
Maximum Screen Size	Horizontal : 337.96 mm Vertical: 270.34 mm	
Environmental Considerations	Operating Temp: 5°C to 35°C Storage Temp: -20°C to 60°C Operating Humidity: 10% to 85%	

2. LCD Monitor Description

The LCD MONITOR will contain a main board, an audio board, a power board and a key board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



3. Operating Instructions

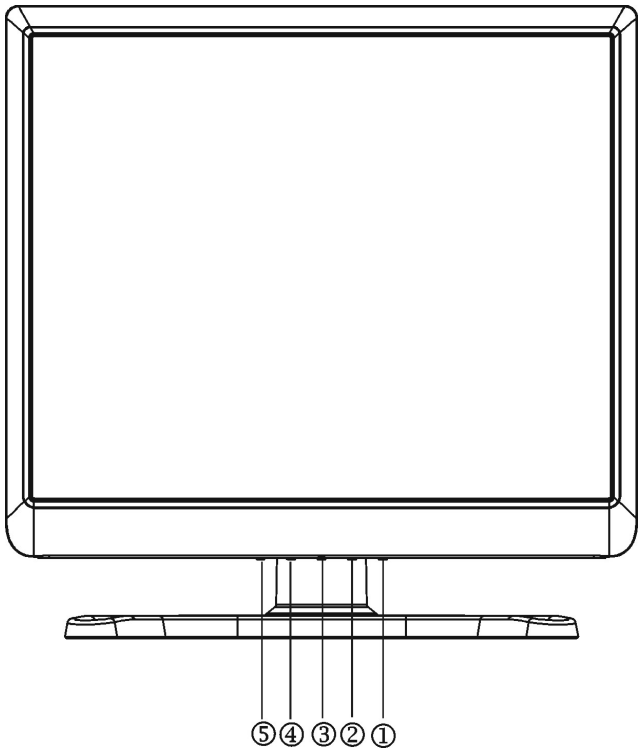
3.1 General Instructions

Press the power button to turn the monitor on or off. The control buttons are located at front panel of the monitor.

By changing these settings, the picture can be adjusted to your personal preferences.

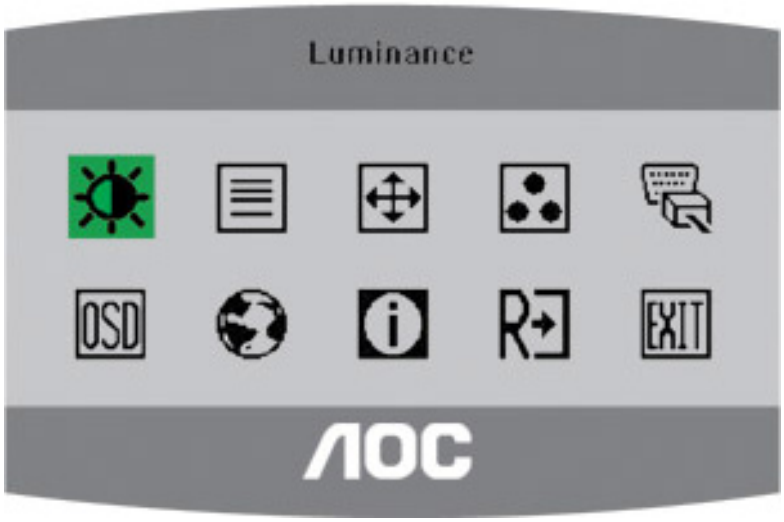
- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 Control Buttons



Item	Name	Within OSD	Without OSD
1	> / Audio	1.Move the cursor up 2.Increase the value of the selected item	Activate the audio menu
2	< / audio	1.Move the cursor down 2.Decrease the value of the selected item	Activate the audio menu
3	Power	Power On / Off	Power On / Off
4	Menu/Enter	Select Function or select Sub menu	Activate OSD main menu
5	Auto/Exit	Exit OSD or back to previous menu	Auto configuration

3.3 Adjusting the Picture



OSD functions

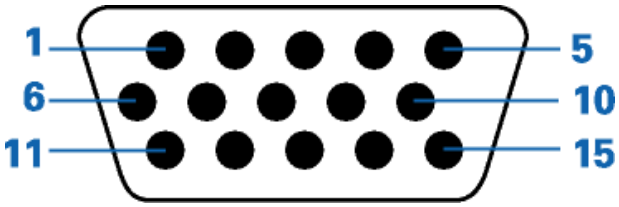
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Luminance		Contrast		Contrast from Digital-register.
		Brightness		Backlight Adjustment
Image Setup		Focus		Adjust Picture Phase to reduce Horizontal-Line noise
		Clock		Adjust picture Clock to reduce Vertical-Line noise.
Image Position		H. Position		Adjust the horizontal position of the picture.
		V. Position		Adjust the vertical position of the picture.
Color Temp.		Warm	N/A	Recall warm Color Temperature from EEPROM.
		Cool	N/A	Recall cool Color Temperature from EEPROM.
		sRGB	N/A	Recall sRGB Color Temperature from EEPROM.
		User / Red	R	Red Gain from Digital-register.
		User / Green	G	Green Gain Digital-register.
		User / Blue	B	Blue Gain from Digital-register.

Input Select		Analog	N/A	Select input signal from analog source (D-Sub)
		Digital	N/A	Select input signal from digital source (DVI)
OSD Setup		H. Position		Adjust the horizontal position of the OSD.
		V. Position		Adjust the vertical position of the OSD.
		OSD Timeout		Adjust the OSD timeout.
Language		Language	N/A	Select the language you like.
Information		Information	N/A	Show the resolution, H/V frequency and input port of current input timing.
Reset		Yes	N/A	Clear each old status of Auto-configuration and set the color temperature to Cool.
		No	N/A	Do not execute reset, return to main menu.
Exit		N/A	N/A	Exit OSD

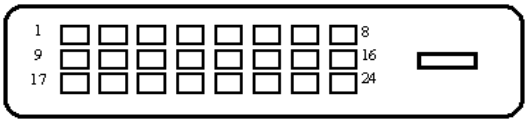
4. Input/Output Specification

4.1 Input Signal Connector

1. D-SUB connector

Pin No.	Description	Pin No.	Description
1.	Red	**9.**	+ 5V
2.	Green	**10.**	Detect Cable
3.	Blue	**11.**	Ground
4.	Ground	**12.**	DDC-Serial Data
5.	DDC-Return	**13.**	H-Sync
6.	R-Ground	**14.**	V-Sync
7.	G-Ground	**15.**	DDC-Serial Clock
8.	B-Ground		
VGA connector layout			
			

2. DVI-D connector

Pin No.	Description	Pin No.	Description
1.	TMDS data 2－	13.	TMDS data 3＋
2.	TMDS data 2＋	14.	＋5V Power
3.	TMDS data 2/4 Shield	15.	GND (for +5V)
4.	TMDS data 4－	16.	Hot Plug Detect
5.	TMDS data 4＋	17.	TMDS data 0－
6.	DDC Clock	18.	TMDS data 0＋
7.	DDC Data	19.	TMDS data 0/5 Shield
8.	NC	20.	TMDS data 5－
9.	TMDS data 1－	21.	TMDS data 5+
10.	TMDS data 1＋	22.	TMDS Clock Shield
11.	TMDS data 1/3 Shield	23.	TMDS Clock +
12.	TMDS data 3－	24.	TMDS Clock －
24 - Pin Color Display Signal Cable			
			

4.2 Power Supply Requirement

A/C Line voltage range	: 100 V ~ 240 V
A/C Line frequency range	: 50 ± 3Hz, 60 ± 3Hz
Current	: TBD
Peak surge current	: < 55A peak at 240 VAC and cold starting
Leakage current	: < 3.5mA
Power line surge	: No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second
DC output Voltage	: 12VDC ± 5%
Current (max)	: 3.5 Amp (12V)

4.3. Factory Preset Display Modes

Standard	Resolution	Horizontal Frequency	Vertical Frequency
Dos-mode	720 × 400	31.47kHz	70.0Hz
VGA	640 × 480	31.47kHz	60.0Hz
	640 × 480	37.50kHz	75.0Hz
SVGA	800 × 600	37.879kHz	60.0Hz
	800 × 600	46.875kHz	75.0Hz
XGA	1024 × 768	48.363kHz	60.0Hz
	1024 × 768	56.476kHz	70.0Hz
	1024 × 768	60.02kHz	75.0Hz
	1024 × 768	48.780 kHz	60.0Hz
	1024 × 768	60.241 kHz	75.0Hz
SXGA	1280 × 1024	64.00 kHz	60.0Hz
	1280 × 1024	80.00 kHz	75.0Hz

4.4 Panel Specification

CLAA170EA07P2 is 17.0" color TFT-LCD (Thin Film Transistor Liquid Crystal Display) module composed of LCD panel, driver ICs, control circuit and backlight. By applying 8 bit digital data, 1280×1024, 16.7M-color images are displayed on the 17.0" diagonal screen. Input power voltage is 5.0V for LCD driving. Inverter for backlight is not included in this module. General specification are summarized in the following table:

4.4.1 Display Characteristics

ITEM	SPECIFICATION
Display Area(mm)	337.920(H)x270.336(V) (17.0-inch diagonal)
Number of Pixels	1280(H)x1024(V)
Pixel Pitch(mm)	0.264(H)x0.264(V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	normally white, TN
Number of Colors	16.7M(6 Bit+Hi-FRC)
Brightness(cd/m^2)	300 cd/m^2(Typ.)(Center point, Lamp current=7.5 mA)
Viewing Angle	160 / 160(Typ.)
Surface Treatment	Anti-glare
Power consumption(W)	23.7 (Typ.)
Module Size(mm)	358.5(W)x296.5(H)x17.5(D)(max)
Module Weight(g)	2200(typ)
Backlight Unit	CCFL, 4 tables, edge-light(top*2/bottom*2)

4.4.2 Optical Characteristics

Ta=25℃，VCC=5.0V

ITEM		SYMBOL	CONDITION	min	typ	max	UNIT
Contrast Ratio		CR	θ=ψ= 0°	550	700	--	--
Luminance(CEN)		L	θ=ψ= 0°	250	300	--	cd/m^2
9P Uniformity		ΔL	θ=ψ= 0°	75	--	--	%
Response Time		Tr	θ=ψ= 0°	--	2	4	ms
		Tf	θ=ψ= 0°	--	3	6	ms
Crosstalk		CT	θ=ψ= 0°	0	--	1	%
Viewing Angle	Horizontal	ψ	CR≧10	140	160	--	°
	Vertical	θ		135	160	--	°
Color Coordinates	White	X Y	θ=ψ= 0°	0.283 0.299	0.313 0.329	0.343 0.359	Color Coordinates
	Red	X Y		(0.625) (0.297)	(0.655) (0.327)	(0.685) (0.357)	
	Green	X Y		(0.243) (0.587)	(0.273) (0.617)	(0.303) (0.647)	
	Blue	X Y		(0.114) (0.060)	(0.144) (0.090)	(0.174) (0.120)	
Gamut		CG	θ=ψ= 0°		72	--	%
Gamma		γ	VESA	2.0	2.2	2.4	--

4.4.3 Electrical Characteristics

1. TFT LCD Module

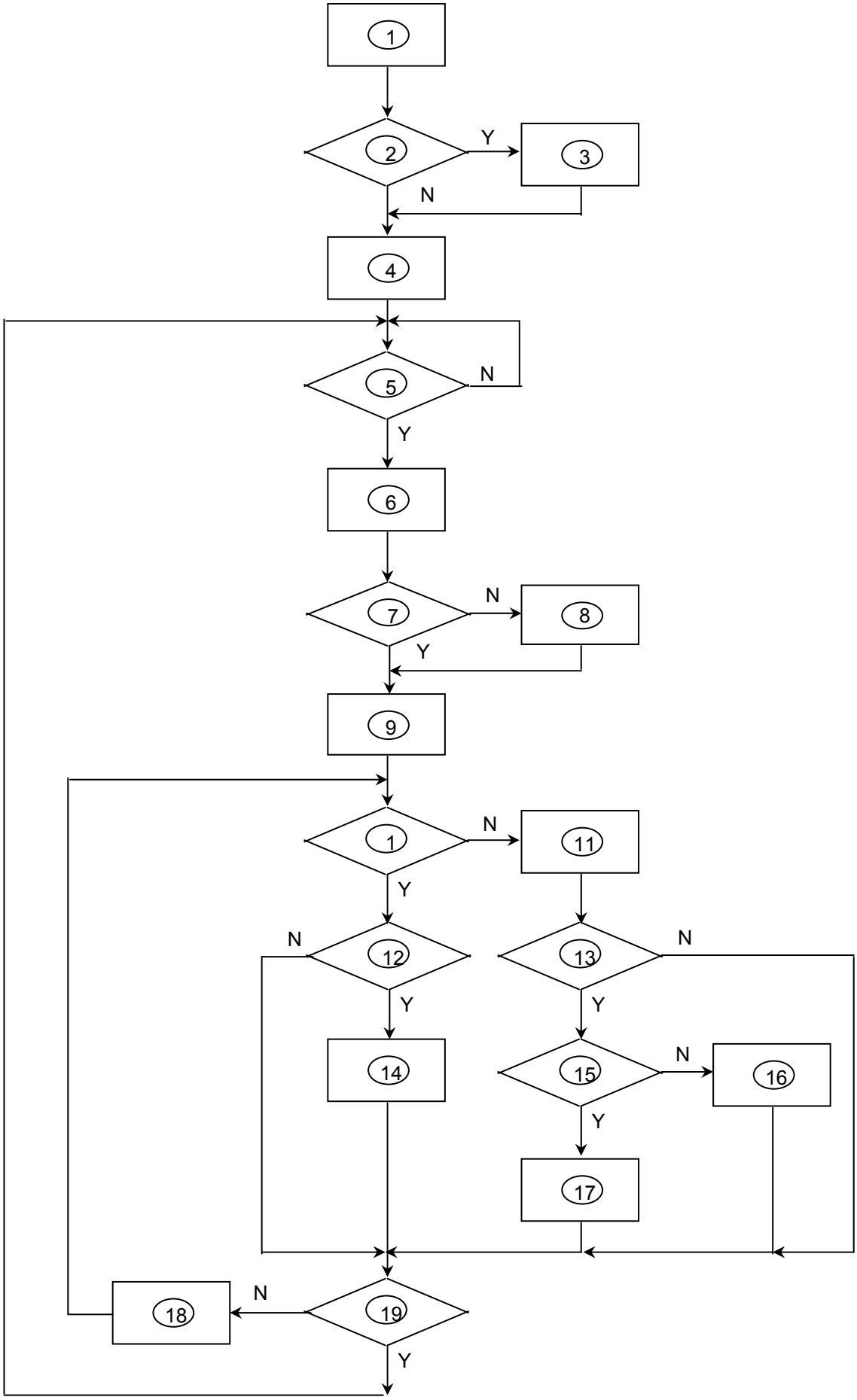
ITEM		SYMBOL	MIN	TYP	MAX	UNIT
Power Supply Voltage for LCD		Vcc	4.5	5.0	5.5	V
Power Supply Current for LCD		Icc	-	700	950	mA
Permissive Input Ripple Voltage		VRP	-	-	100	mVp-p
Differential impedance		Zm	90	100	110	Ω
Logic input voltage LVDS:IN+，IN-	Common Mode Voltag	VCM	1.125	1.25	1.375	V
	Differential Input Voltage	|VID|	250	350	450	mV
	Threshold Voltage(High)	VTH	-	-	100	mV
	Threshold Voltage(Low)	VTL	-100	-	-	mV
LCD Inrush Current		Inrush			3	A
Power consumption		P		3.5	4.75	W

2. Backlight Unit

ITEM	SYMBOL	MIN	TYP	MAX	UNIT	REMARK
B/L Voltage	VL	550	638	725	Vrms	IL=7.5mA Ta=25℃
B/L Current	IL	7	7.5	8	mArms	*1) Ta=25℃
B/L operating current	ILO	3	7.5	8	mArms	*1) Ta=25℃
B/L power comsuption	WL	—	20.2	22.2	W	IL=7.5mA Ta=25℃
Inverter Frequency	FI	45	50	65	kHz	*2) Ta=25℃
Starting Lamp Voltage	VS	—	—	1600	Vrms	Ta=0℃
		—	—	1450	Vrms	Ta=25℃

5. Block Diagram

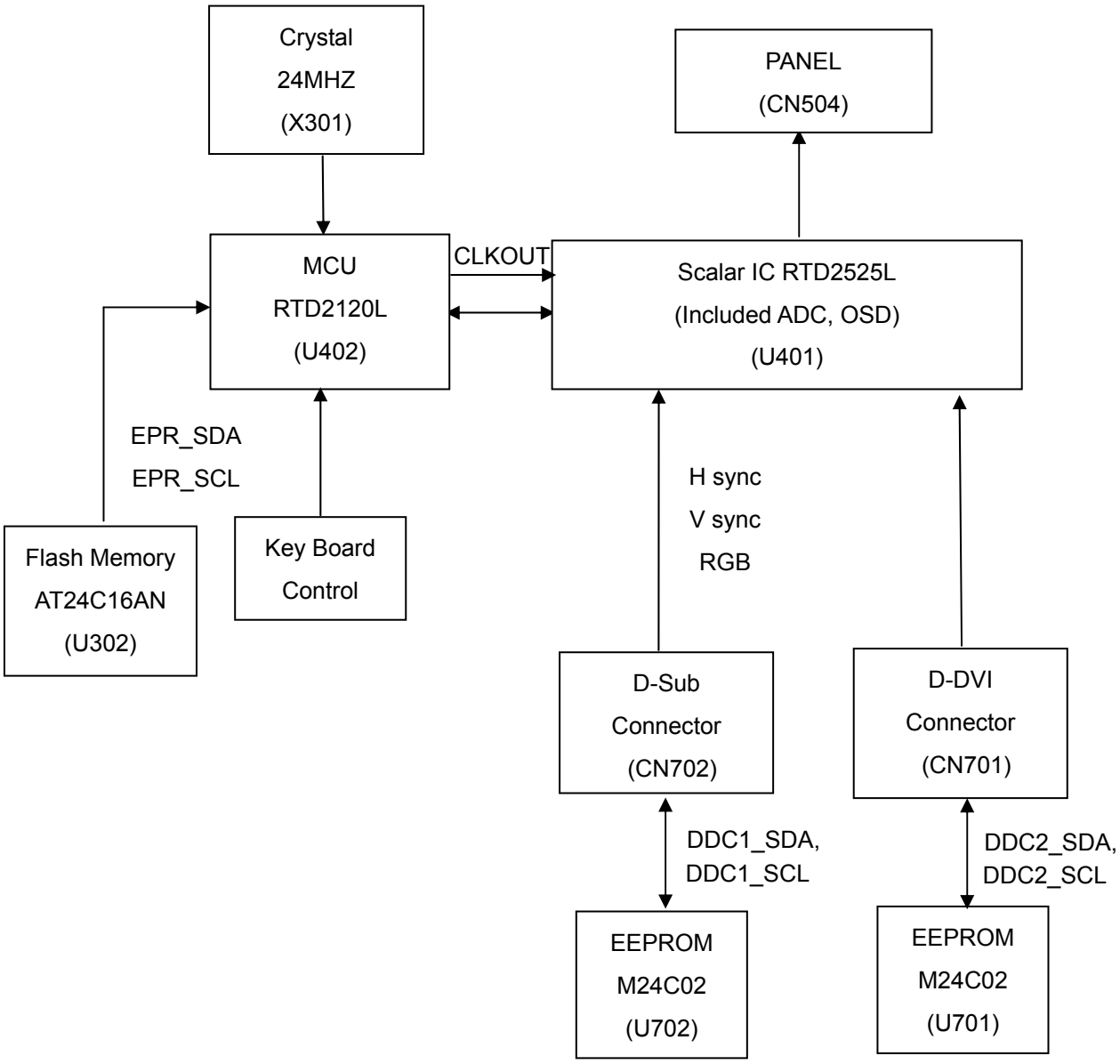
5.1 Software Flow Chat



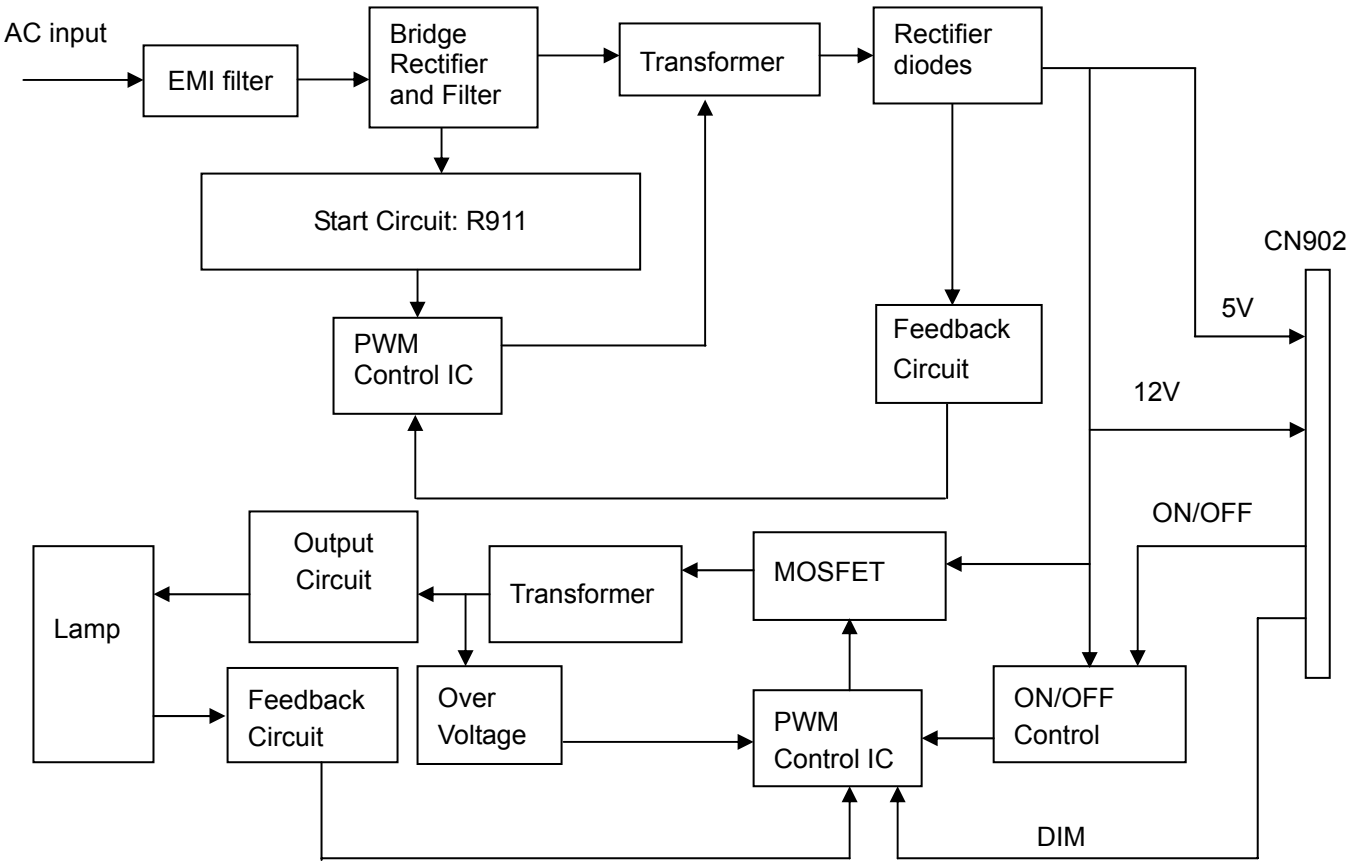
1) MCU initialize.
2) Is the EPROM blank?
3) Program the EPROM by default values.
4) Get the PWM value of brightness from EPROM.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EPROM. Turn on the LED and set it to green color. Scalar initializes.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are there any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

5.2 Electrical Block Diagram

5.2.1 Main Board

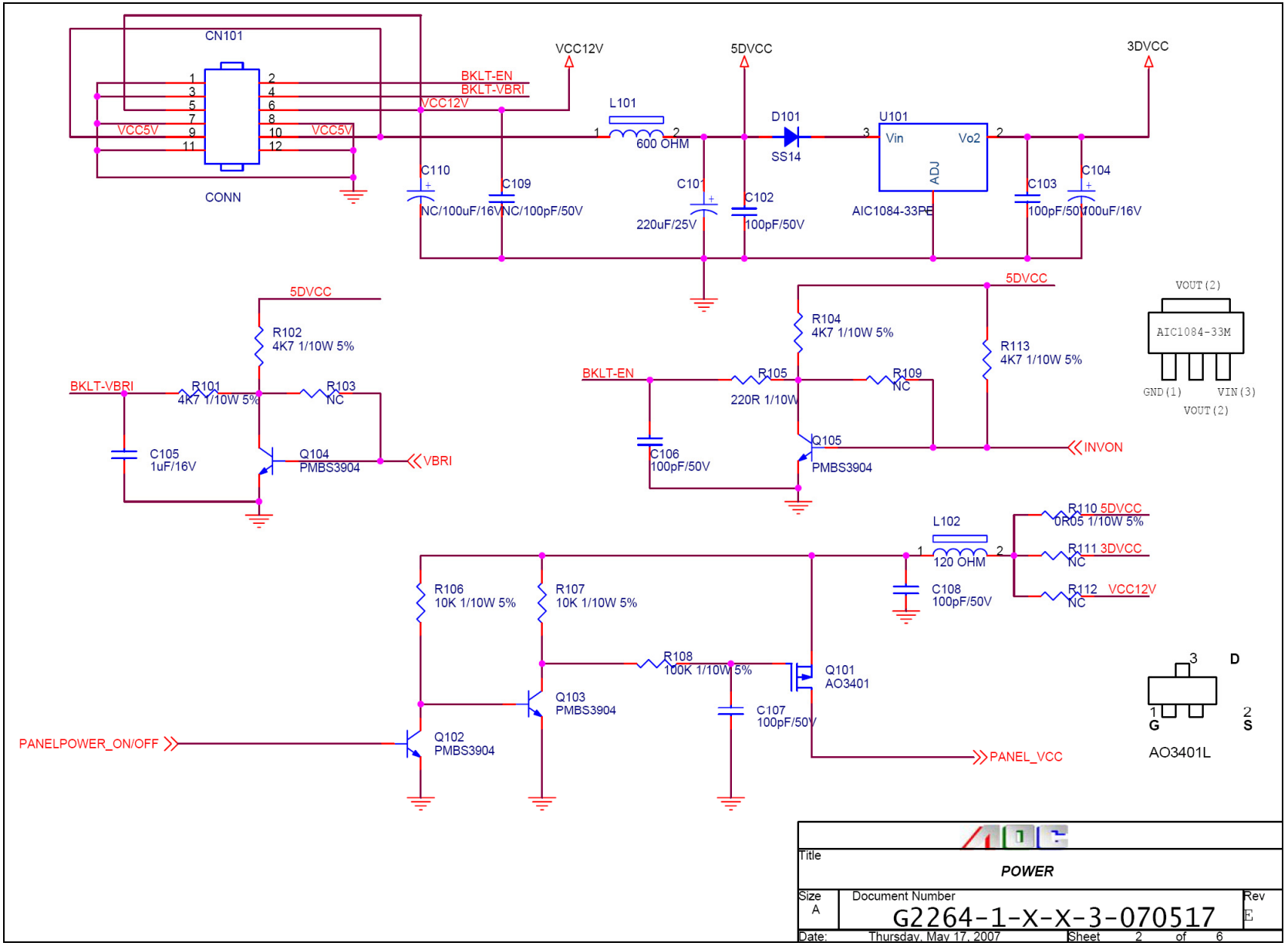


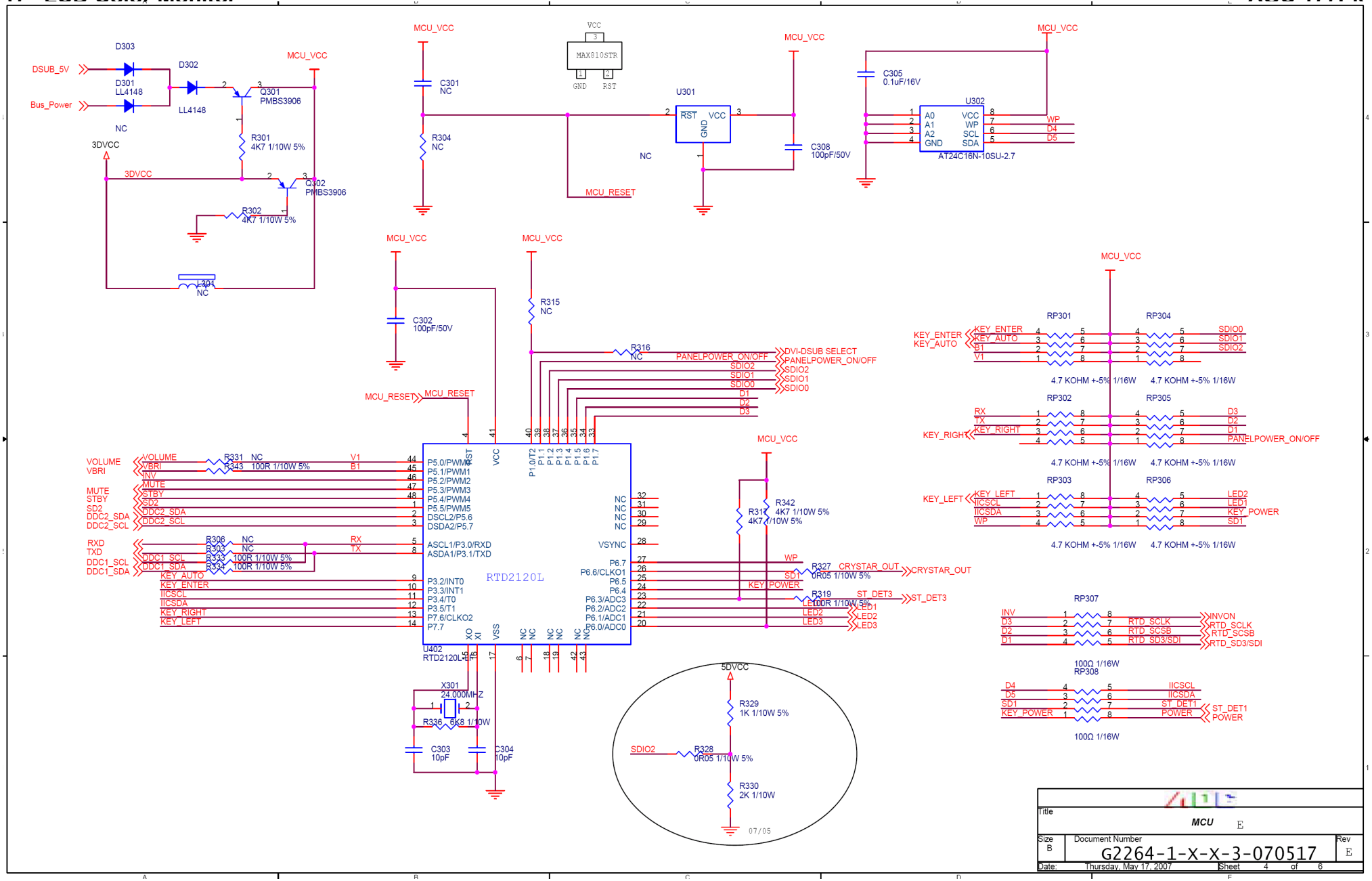
5.2.2 Inverter/Power Board



6. Schematic

6.1 Main Board




D303
DSUB_5V
D302
D301
LL4148
Bus_Power
LL4148
NC
Q301
PMBS3906
MCU_VCC
R301
4K7 1/10W 5%
3DVCC
3DVCC
Q302
PMBS3906
R302
4K7 1/10W 5%
L301
NC
MCU_VCC
C301
NC
R304
NC
VCC
MAX810STR
GND
RST
U301
RST
VCC
GND
NC
MCU_VCC
C308
100pF/50V
MCU_RESET
MCU_VCC
C305
0.1uF/16V
U302
A0
A1
A2
GND
VCC
WP
SCL
SDA
WP
D4
D5
AT24C16N-10SU-2.7
MCU_VCC
C302
100pF/50V
MCU_VCC
R315
NC
R316
NC
PANELPOWER_ON/OFF
DVI-DSUB SELECT
PANELPOWER_ON/OFF
SDIO2
SDIO1
SDIO0
D1
D2
D3
MCU_RESET
MCU_RESET
MCU_VCC
R342
R317
4K7 1/10W 5%
4K7 1/10W 5%
VOLUME
VBRI
INV
MUTE
STBY
SD2
DDC2_SDA
DDC2_SCL
R331 NC
R343 100R 1/10W 5%
V1
B1
RXD
TXD
DDC1_SCL
DDC1_SDA
R306 NC
R307 NC
R332 100R 1/10W 5%
R334 100R 1/10W 5%
RX
TX
KEY_AUTO
KEY_ENTER
IICSCL
IICSDA
KEY_RIGHT
KEY_LEFT
RTD2120L
ASCL1/P3.0/RXD
ASDA1/P3.1/TXD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P7.6/CLKO2
P7.7
VSYNC
P6.7
P6.6/CLKO1
P6.5
P6.4
P6.3/ADC3
P6.2/ADC2
P6.1/ADC1
P6.0/ADC0
WP
SDI
KEY_POWER
R327 CRYSTAR_OUT
0R05 1/10W 5%
CRYSTAR_OUT
R319
100R 1/10W 5%
ST_DET3
LED1
LED2
LED3
U402
RTD2120L
X301
24.000MHZ
R336 6K8 1/10W
C303
10pF
C304
10pF
5DVCC
R329
1K 1/10W 5%
SDIO2
R328
0R05 1/10W 5%
R330
2K 1/10W
07/05
RP301
RP304
KEY_ENTER
KEY_AUTO
SDIO0
SDIO1
SDIO2
4.7 KOHM +-5% 1/16W
4.7 KOHM +-5% 1/16W
RP302
RP305
RX
TX
KEY_RIGHT
D3
D2
D1
PANELPOWER_ON/OFF
4.7 KOHM +-5% 1/16W
4.7 KOHM +-5% 1/16W
RP303
RP306
KEY_LEFT
IICSCL
IICSDA
WP
LED2
LED1
KEY_POWER
SD1
4.7 KOHM +-5% 1/16W
4.7 KOHM +-5% 1/16W
RP307
INV
D3
D2
D1
RTD_SCLK
RTD_SCSB
RTD_SD3/SDI
INVON
RTD_SCLK
RTD_SCSB
RTD_SD3/SDI
100Ω 1/16W
RP308
D4
D5
SD1
KEY_POWER
IICSCL
IICSDA
ST_DET1
POWER
ST_DET1
POWER
100Ω 1/16W
Title
MCU
E
Size
B
Document Number
G2264-1-X-X-3-070517
Rev
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Date:
Thursday, May 17, 2007
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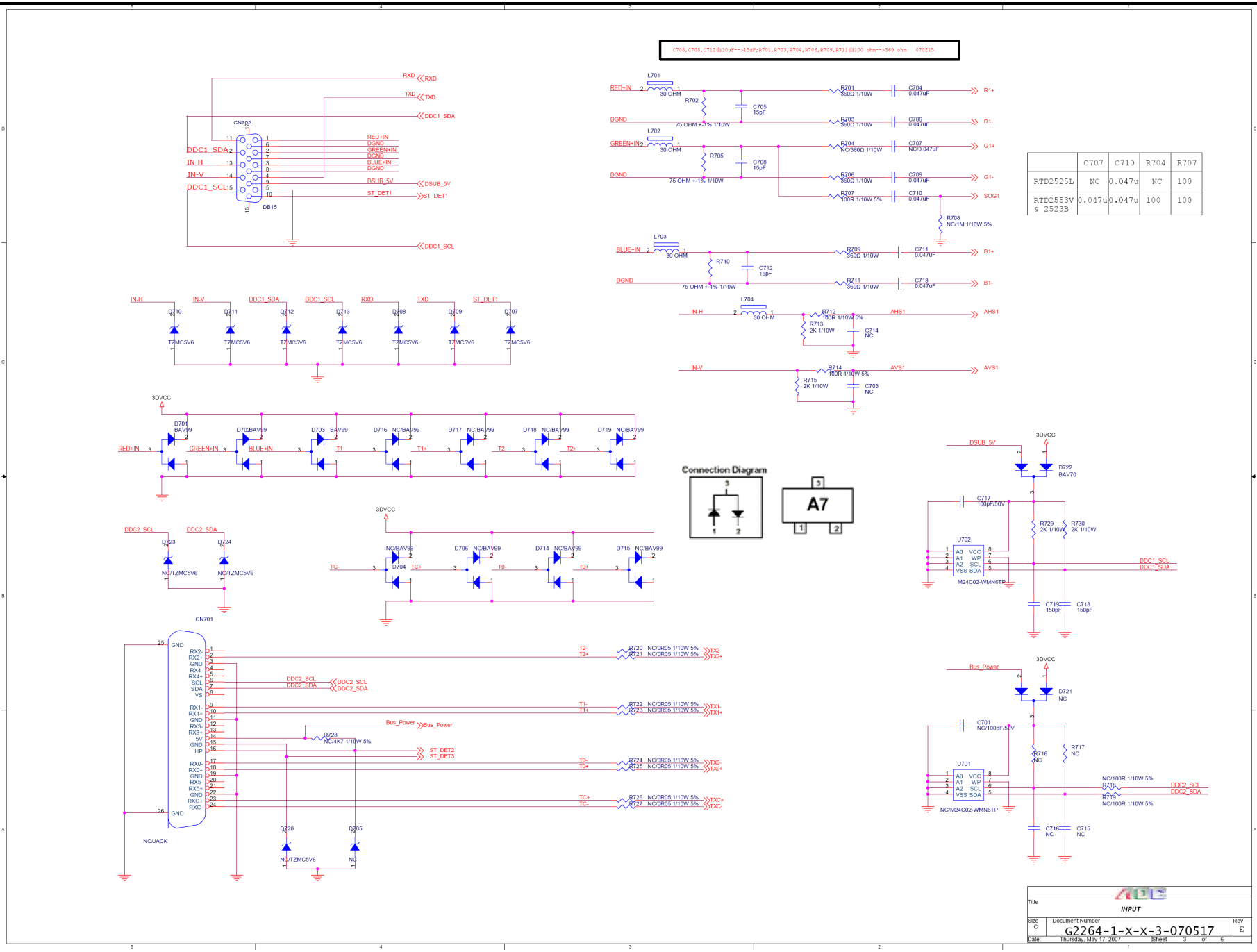
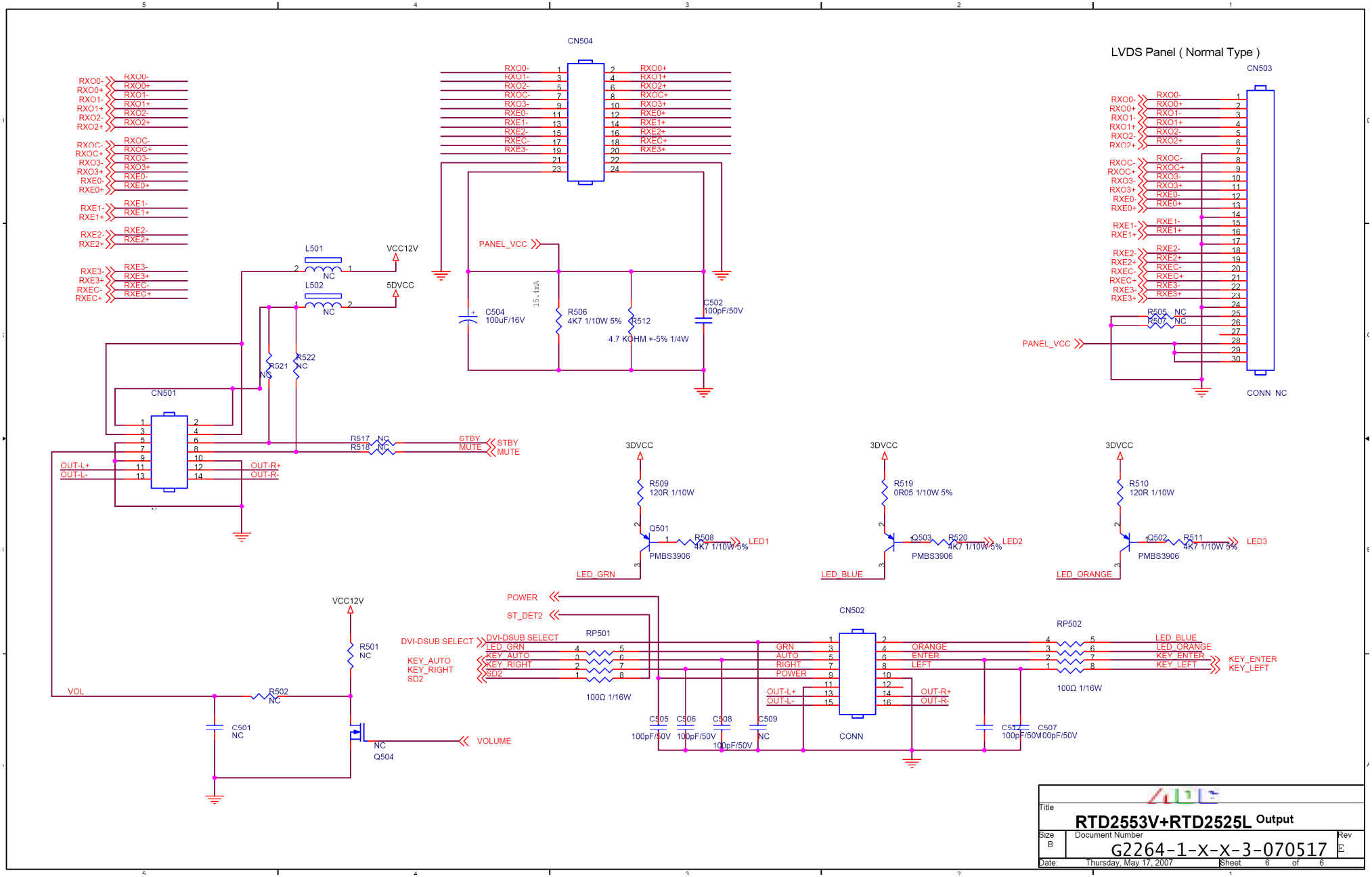
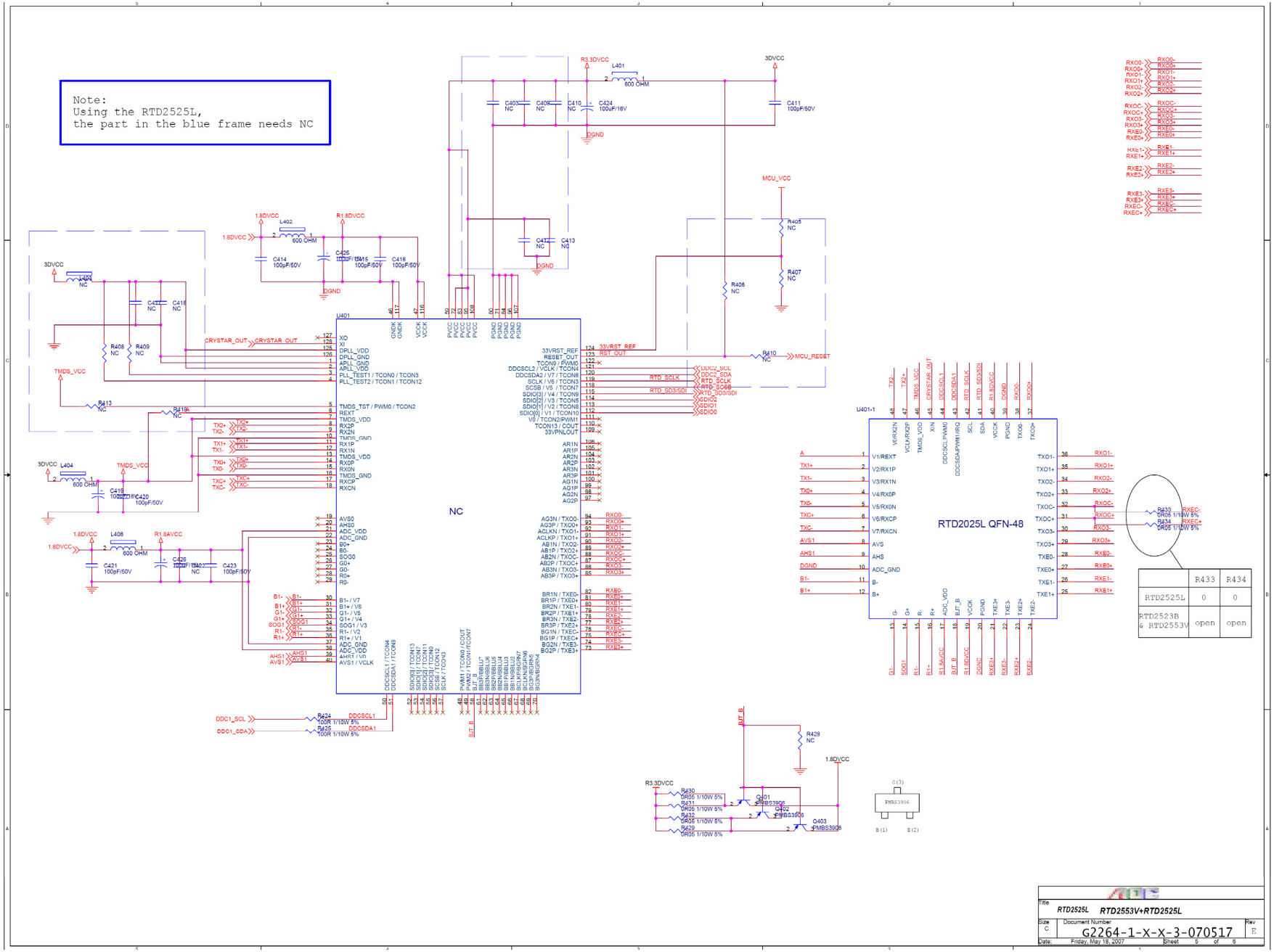
4
of
6



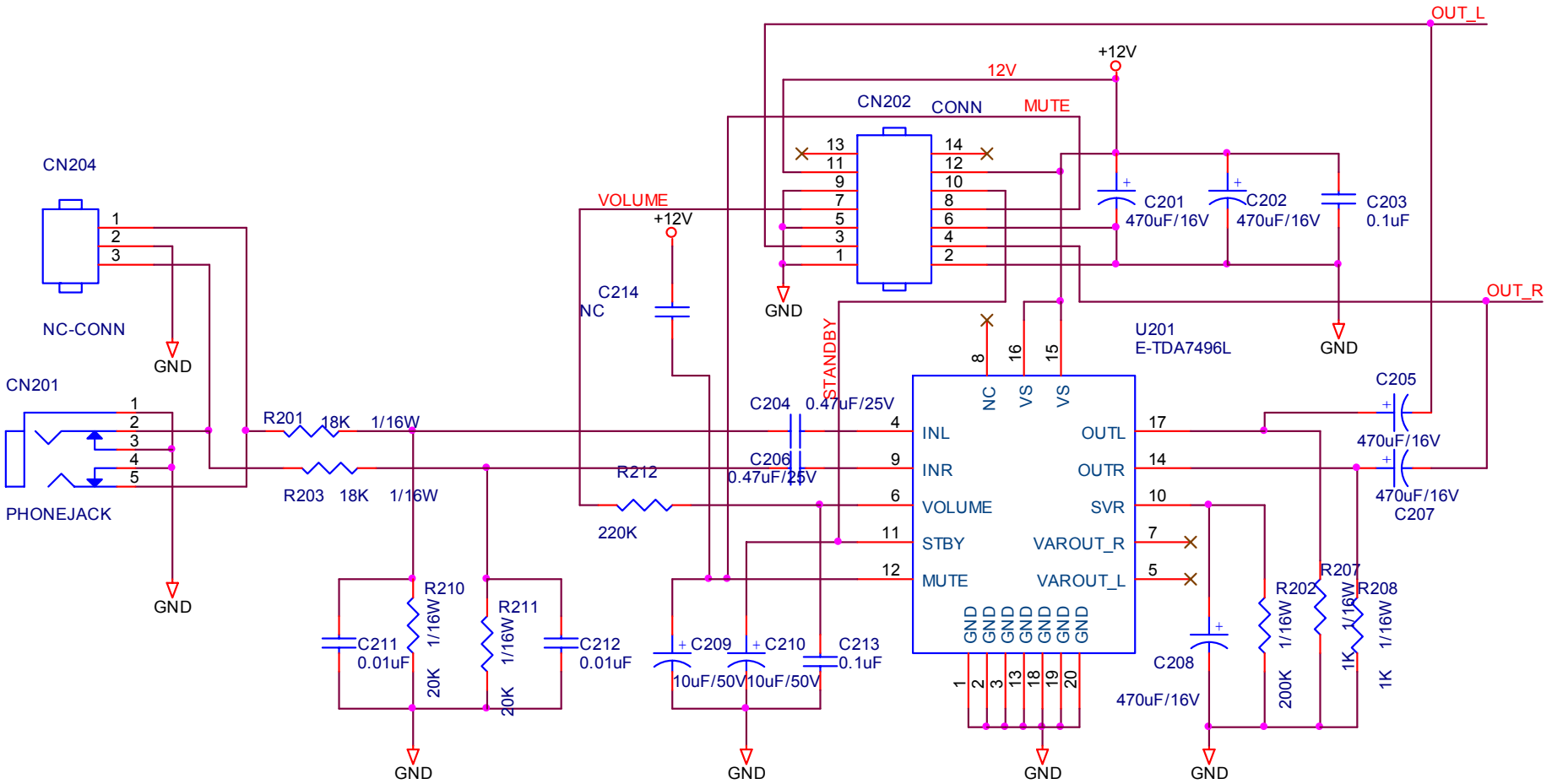
	C707	C710	R704	R707
RTD2525L	NC	0.047u	NC	100
RTD2553V & 2523B	0.047u	0.047u	100	100


LVDS Panel (Normal Type)
CN504
CN503
CN501
CN502
L501
L502
VCC12V
5DVCC
PANEL_VCC
C504 100uF/16V
R506 4K7 1/10W 5%
R512 4.7 KOHM +-5% 1/4W
C502 100pF/50V
R505 NC
R507 NC
CONN NC
R521 NC
R522 NC
R517 NC
R518 NC
STBY MUTE
OUT-L+
OUT-L-
OUT-R+
OUT-R-
3DVCC
R509 120R 1/10W
R519 0R05 1/10W 5%
R510 120R 1/10W
Q501
Q503
Q502
PMBS3906
R508 4K7 1/10W 5%
R520 4K7 1/10W 5%
R511 4K7 1/10W 5%
LED1
LED2
LED3
LED_GRN
LED_BLUE
LED_ORANGE
POWER
ST_DET2
DVI-DSUB SELECT
KEY_AUTO
KEY_RIGHT
SD2
RP501
RP502
100Ω 1/16W
GRN
AUTO
RIGHT
POWER
ORANGE
ENTER
LEFT
KEY_ENTER
KEY_LEFT
R501 NC
R502 NC
VOL
C501 NC
Q504
VOLUME
C505 100pF/50V
C506 100pF/50V
C508 100pF/50V
C509 NC
C512 100pF/50V
C507 100pF/50V
CONN
Title
RTD2553V+RTD2525L Output
Size B
Document Number G2264-1-X-X-3-070517
Rev E
Date: Thursday, May 17, 2007
Sheet 6 of 6


Note:
Using the RTD2525L,
the part in the blue frame needs NC
U401
NC
RTD2525L QFN-48
U401-1
R433 R434
RTD2525L 0 0
RTD2523B & RTD2553V open open
Title RTD2525L RTD2553V+RTD2525L
Size C
Document Number G2264-1-X-X-3-070517
Rev B
Date: Friday, May 18, 2007
Sheet 5 of 6

6.2 Audio Board

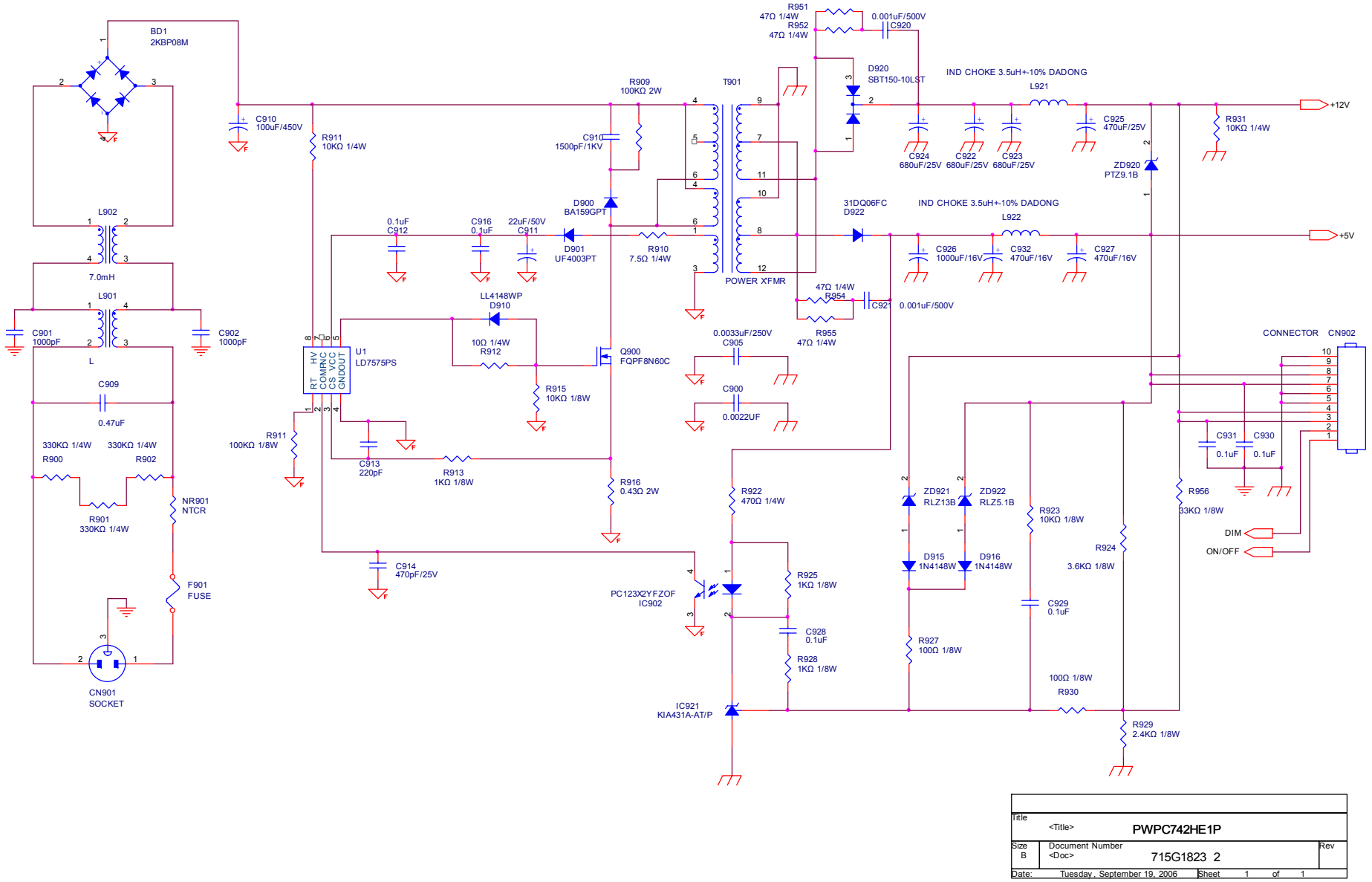
715G1841-2



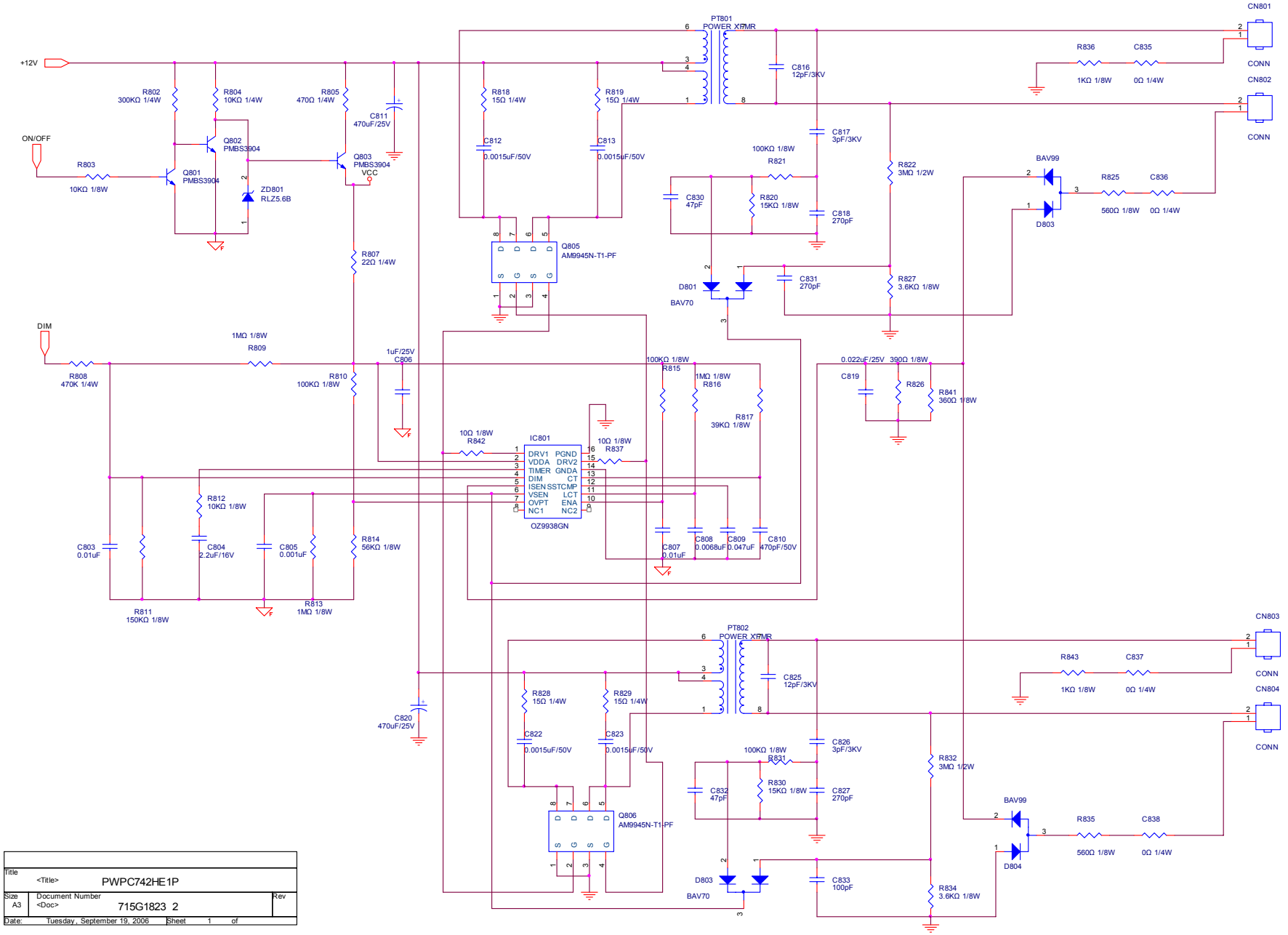
Title: Audio		
Size: A	Document Number: <Doc>	Rev: 1
Date: Wednesday, January 25, 2006	Sheet 1 of 1	

6.3 Power Board

715G1823-2

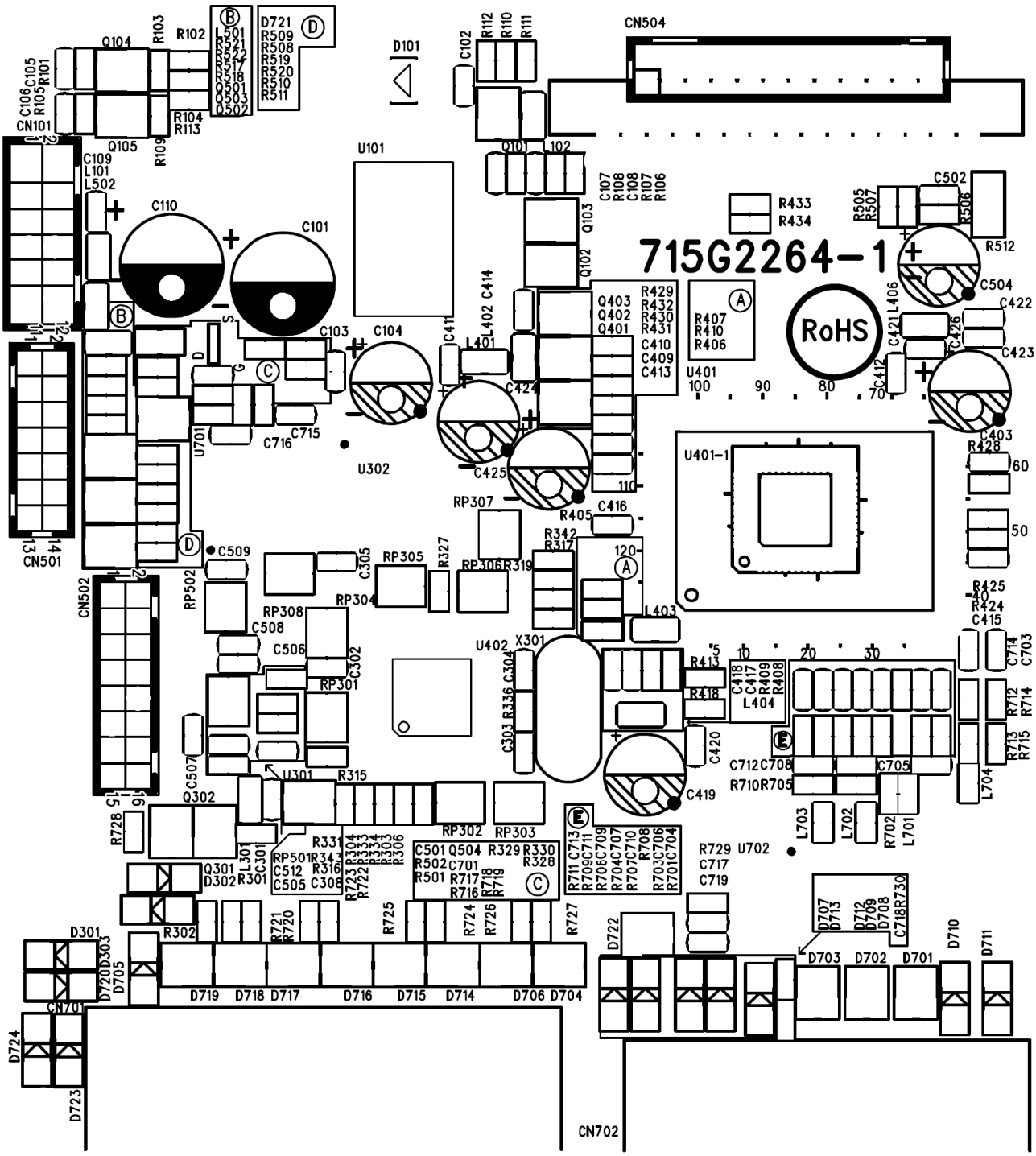


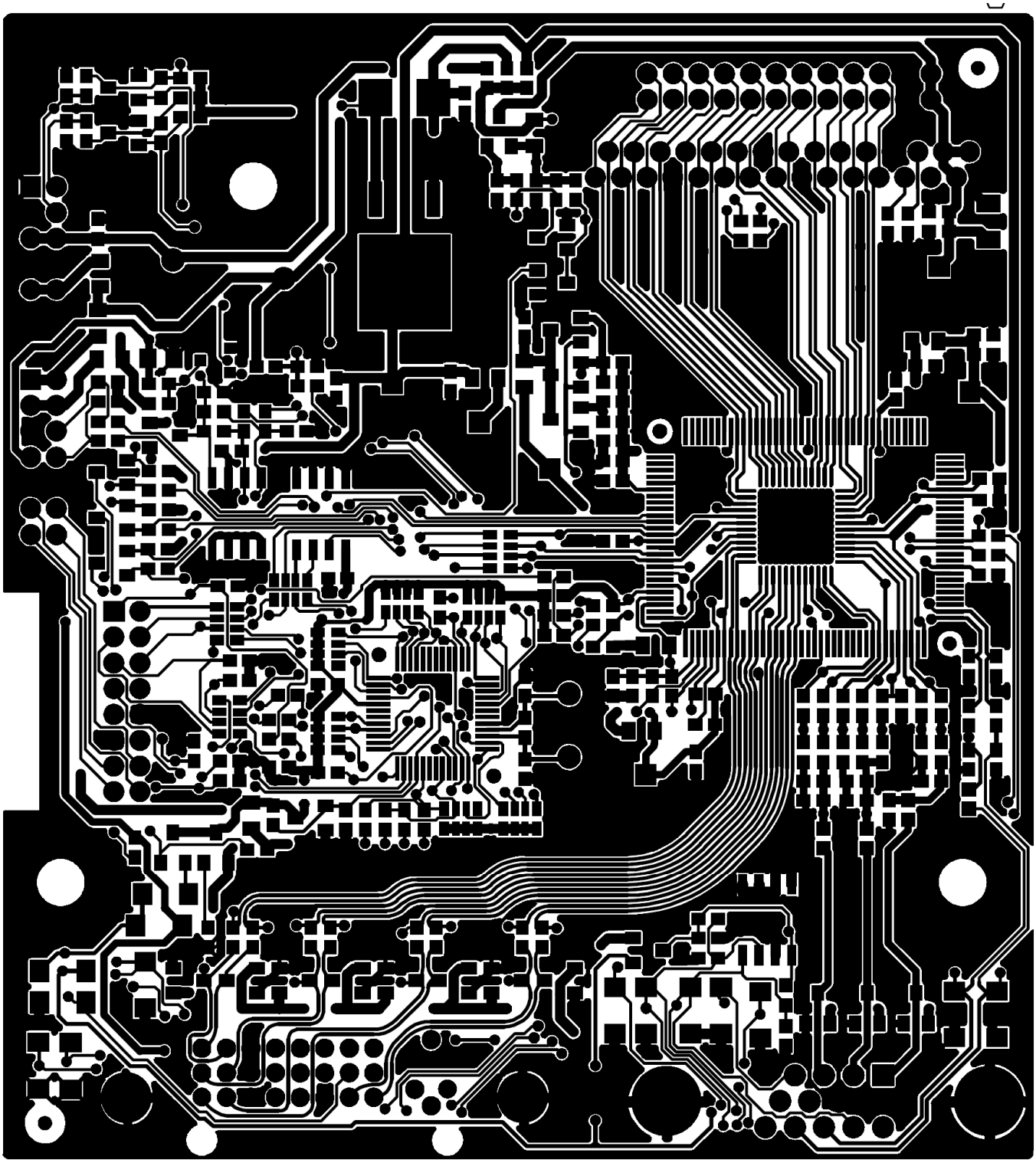
Title	<Title>	PWPC742HE1P	
Size B	Document Number <Doc>	715G1823 2	Rev
Date: Tuesday , September 19, 2006	Sheet 1 of 1		


+12V
ON/OFF
DIM
R802 300KΩ 1/4W
R804 10KΩ 1/4W
R805 470Ω 1/4W
C811 470uF/25V
Q802 PMBS3904
Q803 PMBS3904
VCC
R803 10KΩ 1/8W
Q801 PMBS3904
ZD801 RLZ5.6B
R807 22Ω 1/4W
R808 470K 1/4W
1MΩ 1/8W R809
R810 100KΩ 1/8W
1uF/25V C806
PT801 POWER XFMR
R818 15Ω 1/4W
R819 15Ω 1/4W
C812 0.0015uF/50V
C813 0.0015uF/50V
C816 12pF/3KV
C817 3pF/3KV
100KΩ 1/8W R821
C830 47pF
R820 15KΩ 1/8W
C818 270pF
Q805 AM9945N-T1-PF
D801 BAV70
C831 270pF
R822 3MΩ 1/2W
R827 3.6KΩ 1/8W
CN801
CONN
R836 1KΩ 1/8W
C835 0Ω 1/4W
CN802
CONN
BAV99
R825 560Ω 1/8W
C836 0Ω 1/4W
D803
100KΩ 1/8W R815
1MΩ 1/8W R816
R817 39KΩ 1/8W
0.022uF/25V C819
390Ω 1/8W R826
R841 360Ω 1/8W
10Ω 1/8W R842
IC801
DRV1 PGND
VDDA DRV2
TIMER GNDA
DIM CT
ISEN SSTCMP
VSEN LCT
OVPT ENA
NC1 NC2
OZ9938GN
10Ω 1/8W R837
R812 10KΩ 1/8W
C803 0.01uF
C804 2.2uF/16V
C805 0.001uF
R814 56KΩ 1/8W
R811 150KΩ 1/8W
R813 1MΩ 1/8W
C807 0.01uF
C808 0.0068uF
C809 0.047uF
C810 470pF/50V
C820 470uF/25V
PT802 POWER XFMR
R828 15Ω 1/4W
R829 15Ω 1/4W
C822 0.0015uF/50V
C823 0.0015uF/50V
C825 12pF/3KV
C826 3pF/3KV
100KΩ 1/8W R831
C832 47pF
R830 15KΩ 1/8W
C827 270pF
Q806 AM9945N-T1-PF
D803 BAV70
C833 100pF
R832 3MΩ 1/2W
R834 3.6KΩ 1/8W
CN803
CONN
R843 1KΩ 1/8W
C837 0Ω 1/4W
CN804
CONN
BAV99
R835 560Ω 1/8W
C838 0Ω 1/4W
D804
Title <Title> PWPC742HE1P
Size A3 Document Number <Doc> 715G1823 2 Rev
Date: Tuesday, September 19, 2006 Sheet 1 of

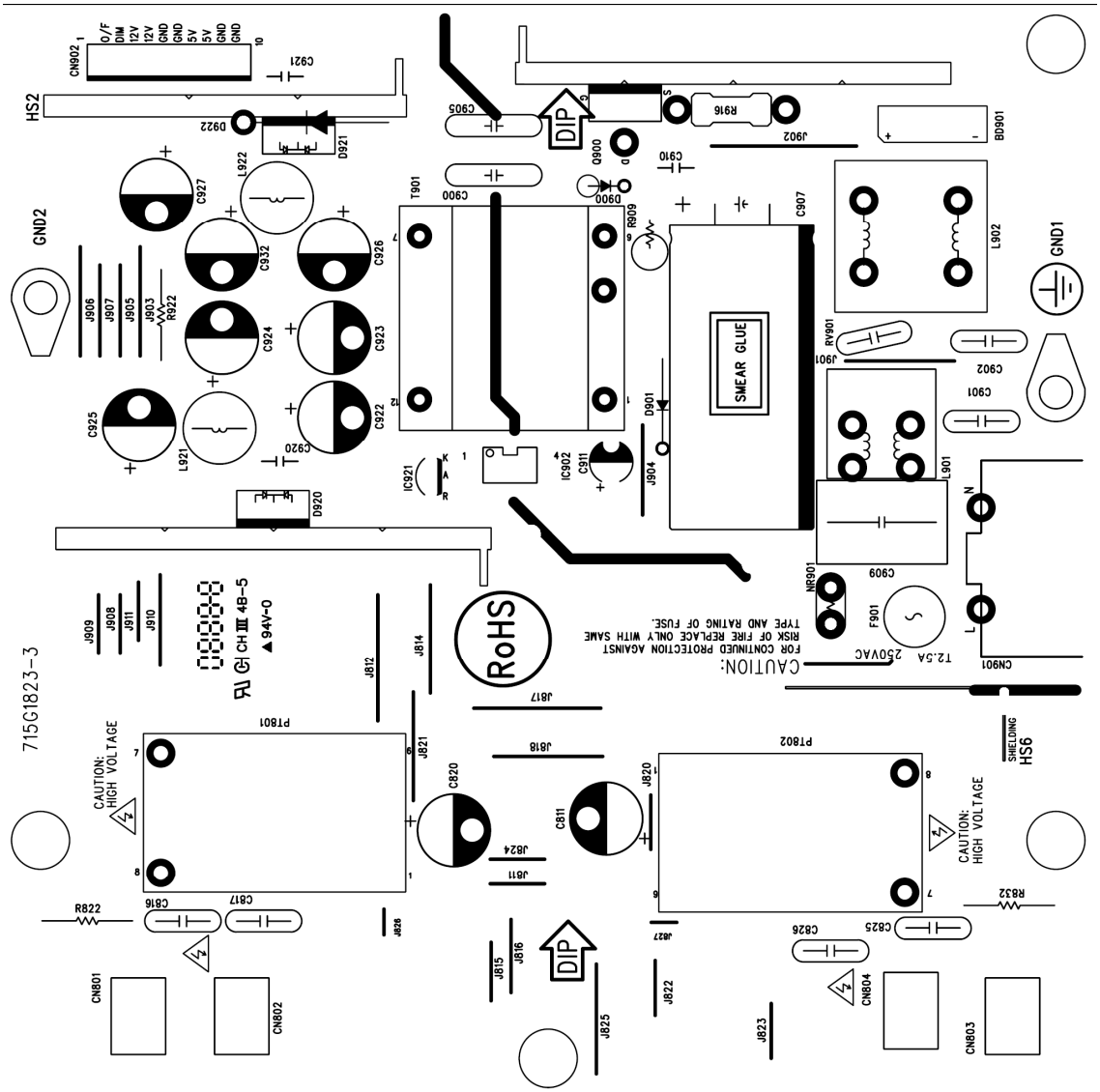
7. PCB Layout

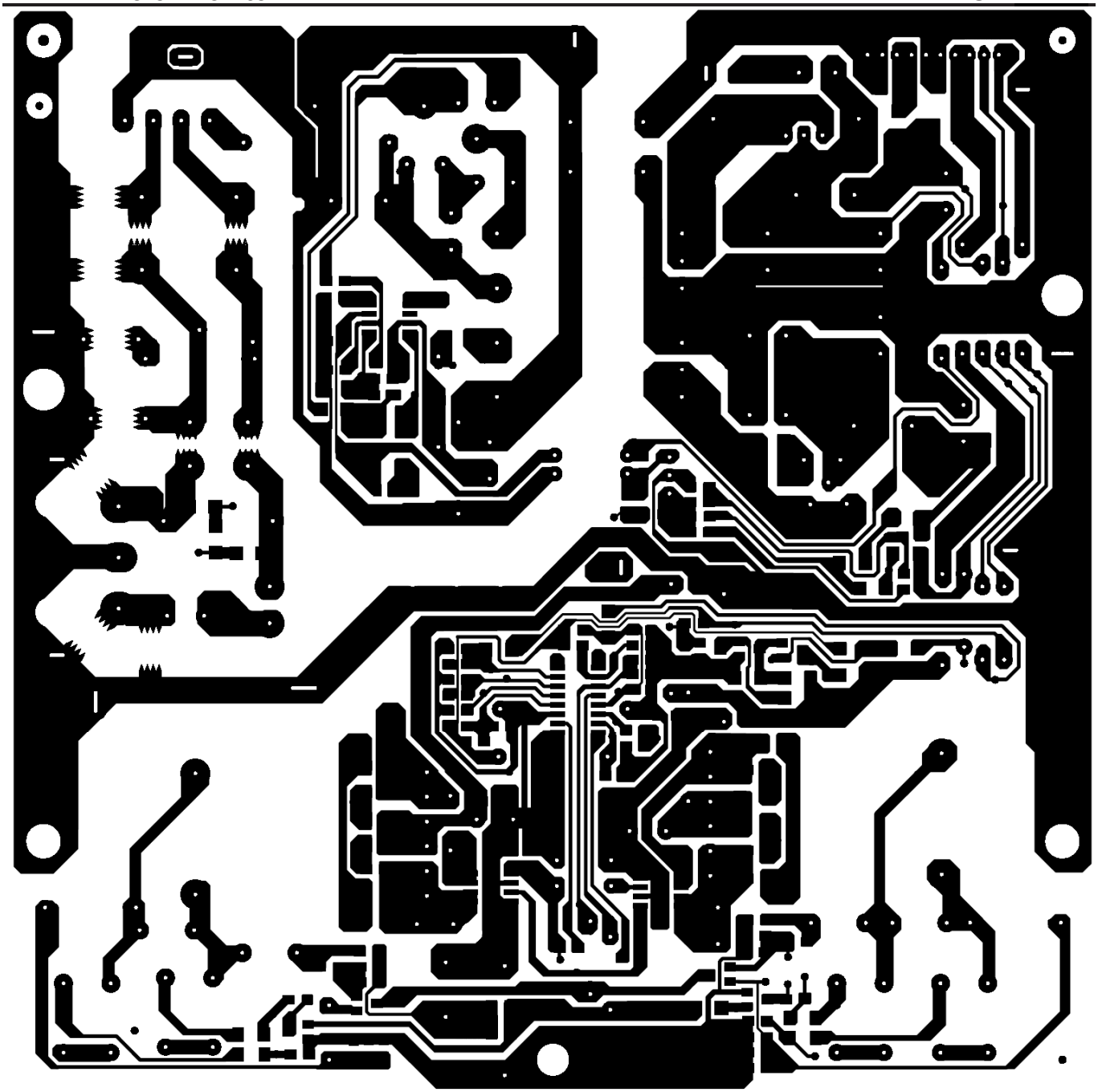
7.1 Main Board





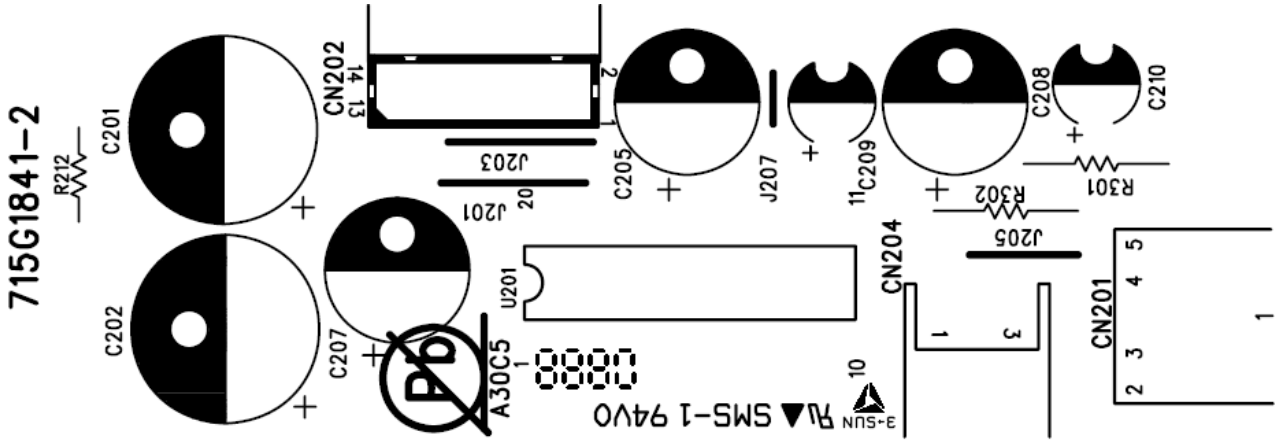
7.2 Power Board

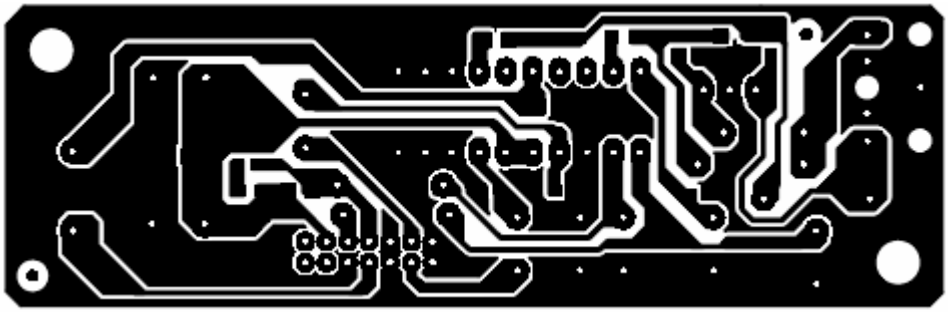




7.2 Audio Board

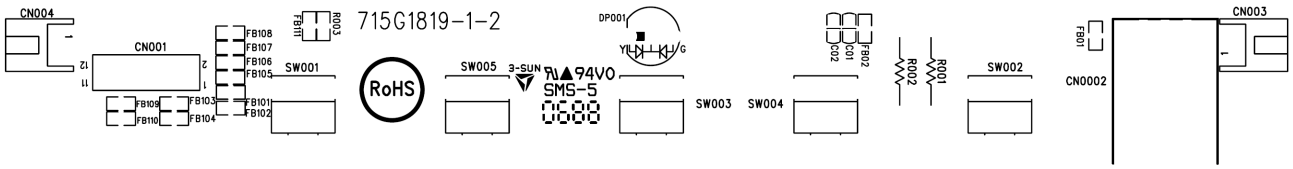
715G1841-2

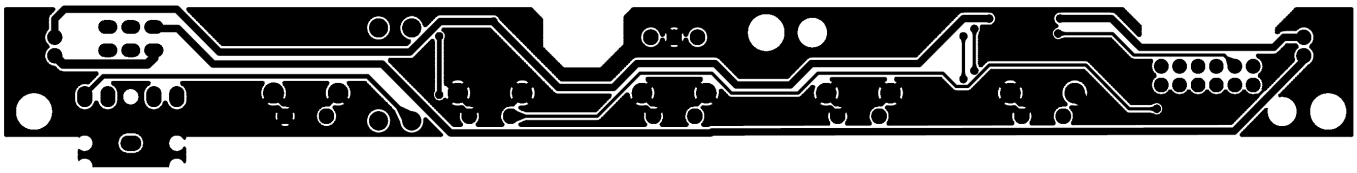


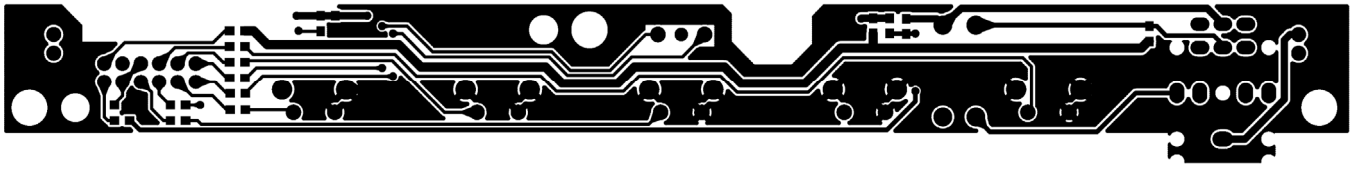


7.4 Key Board

715G1819-1-2







8. Maintainability

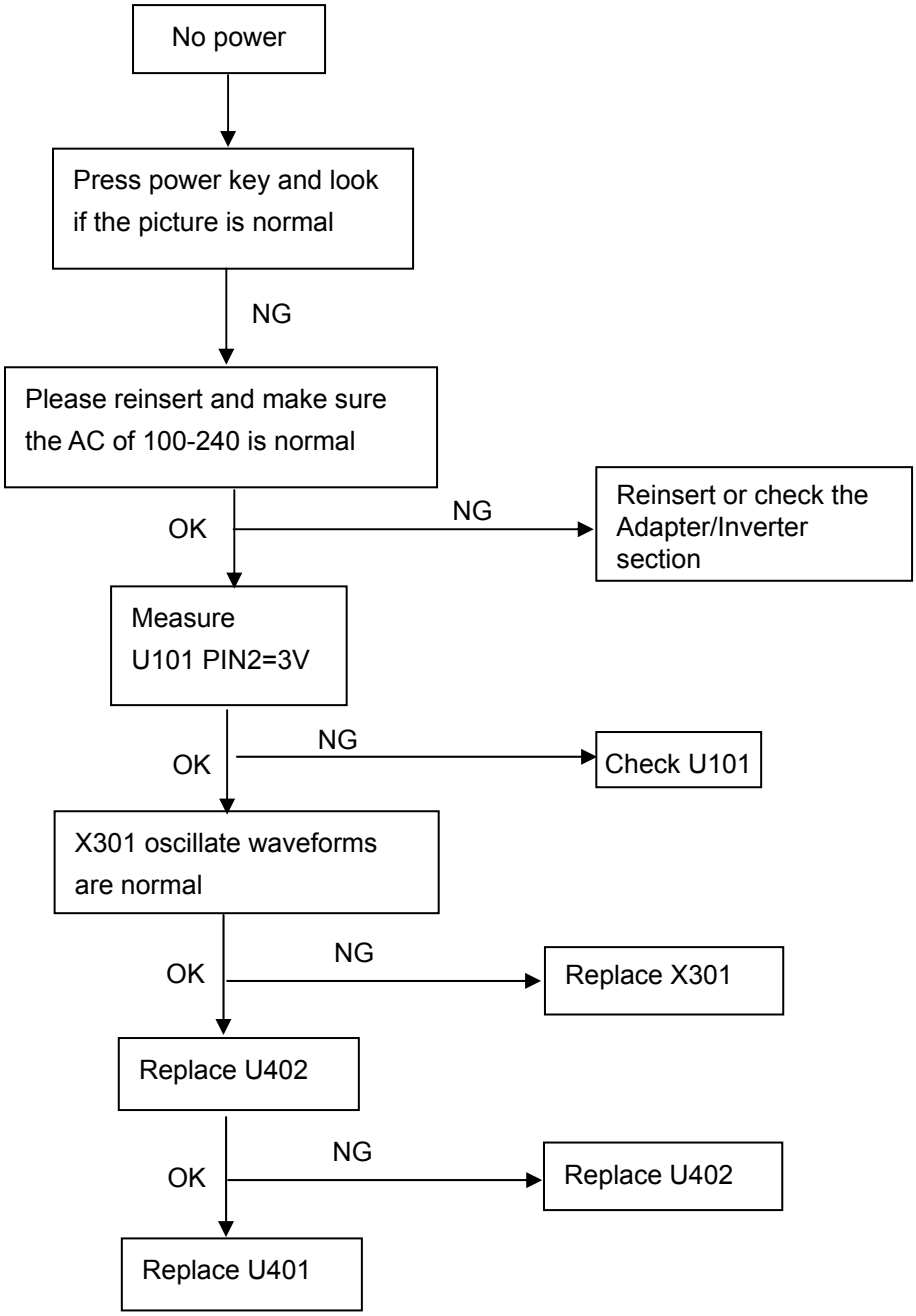
8.1 Equipments and Tools Requirement

1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

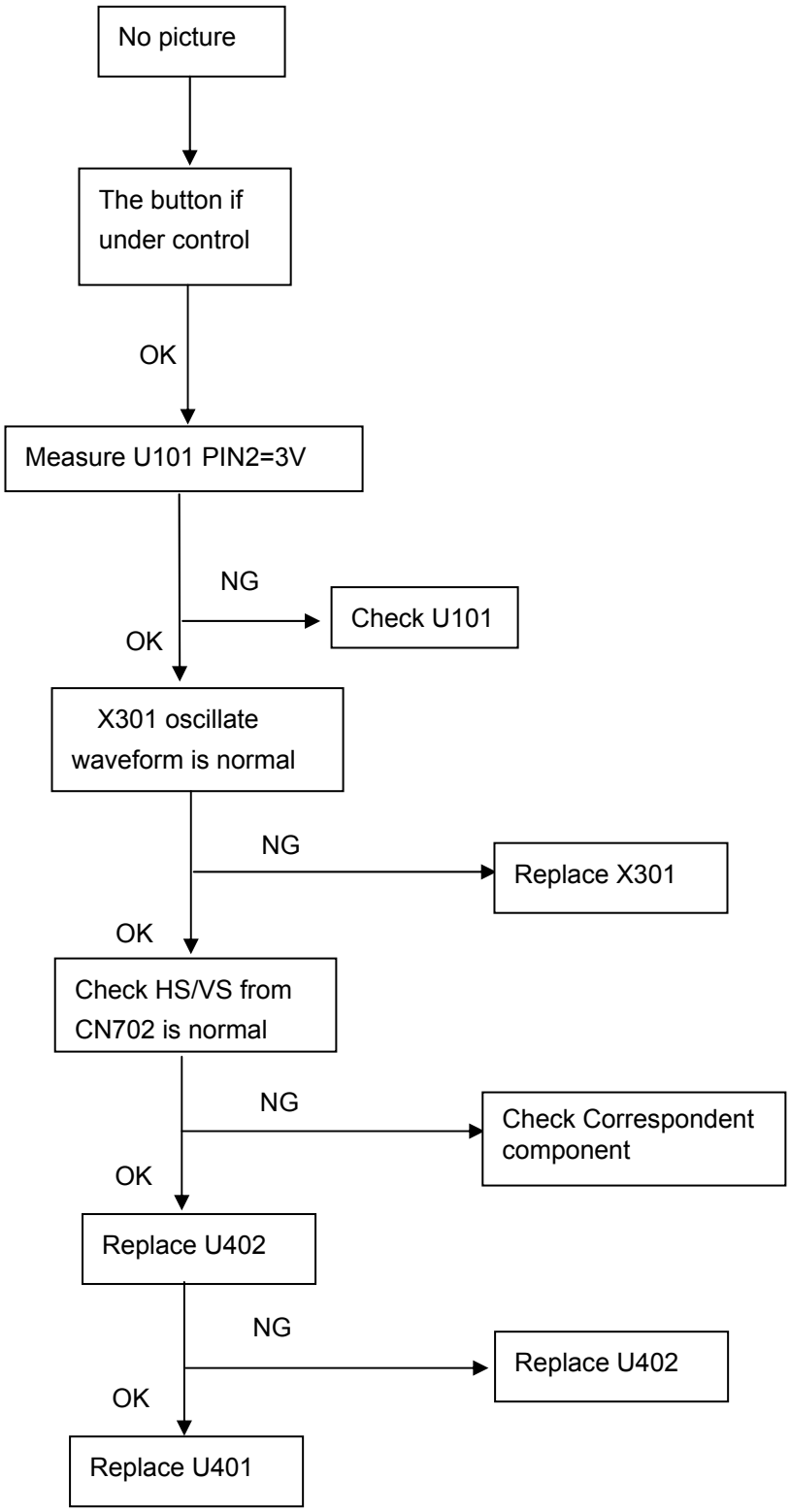
8.2 Trouble Shooting

8.2.1 Main Board

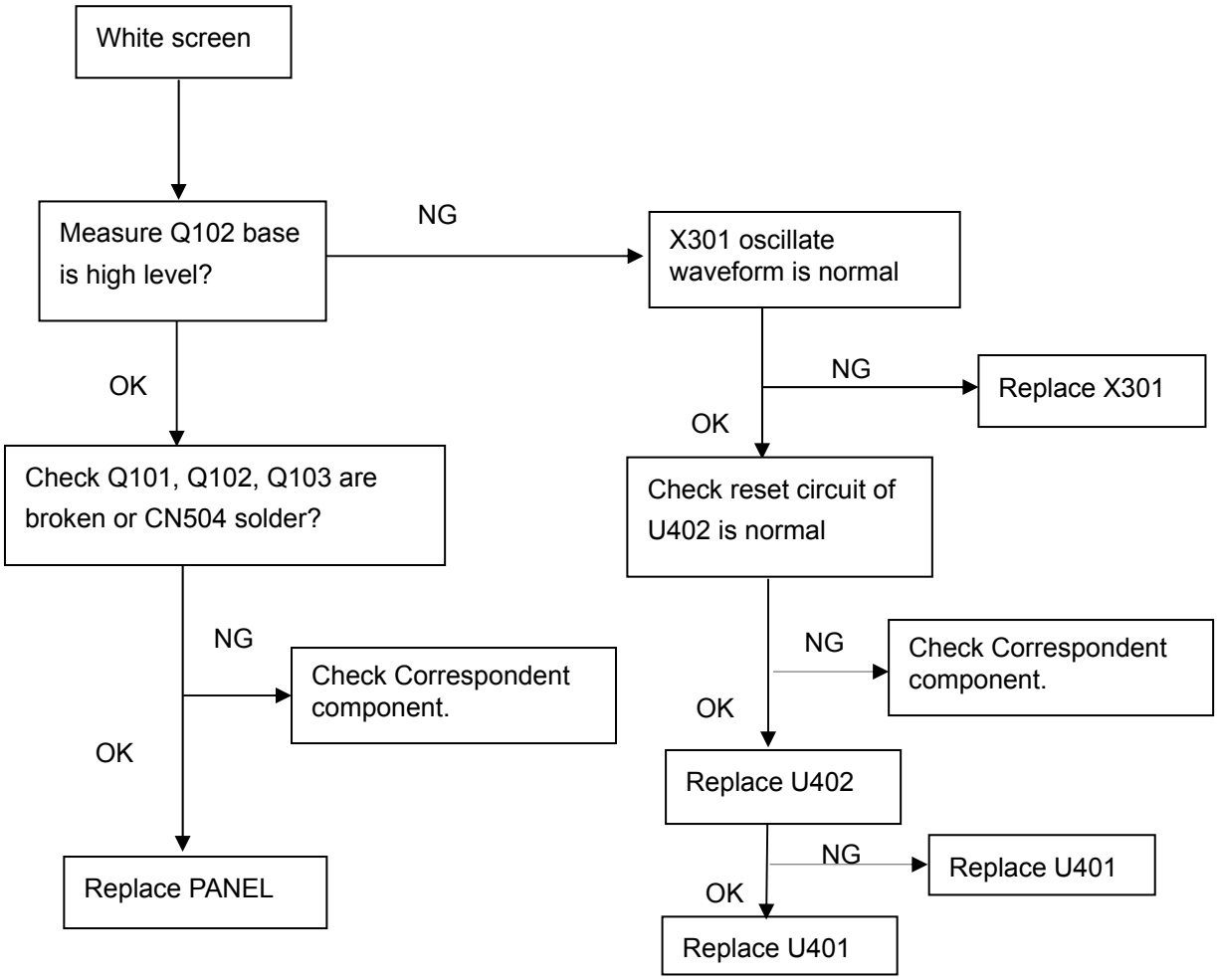
No power



No picture (LED orange)

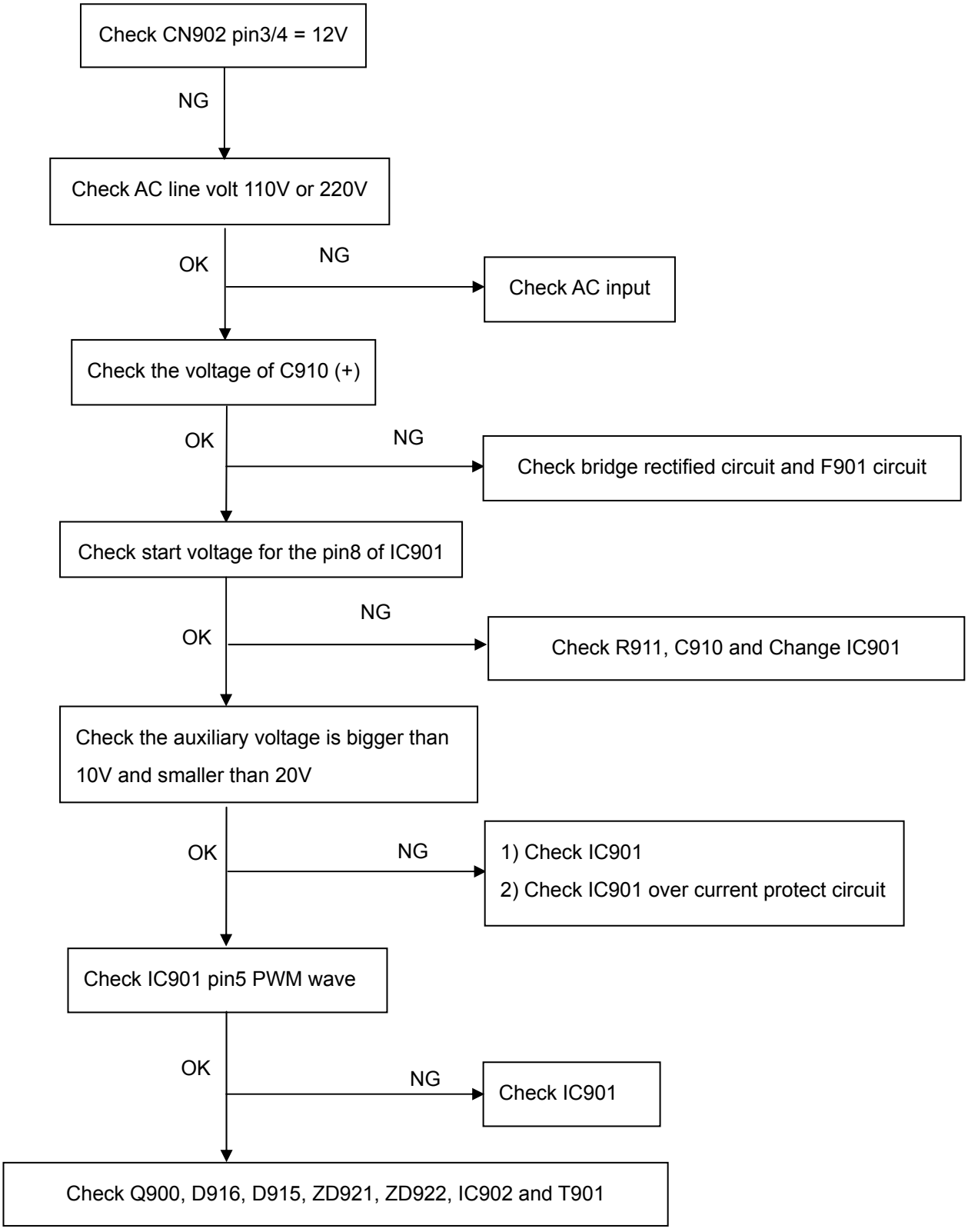


White screen

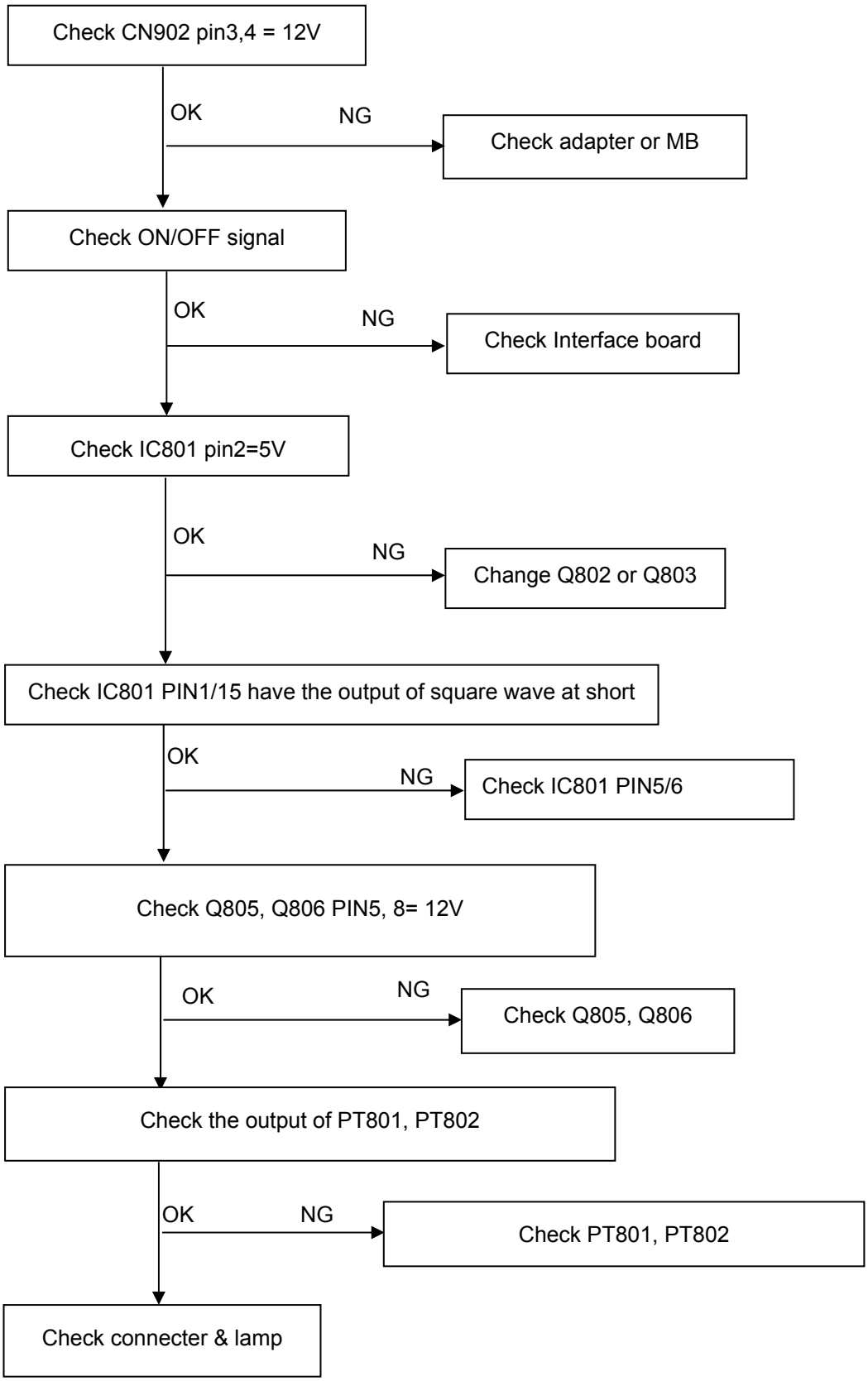


8.2.2 Power/Inverter Board

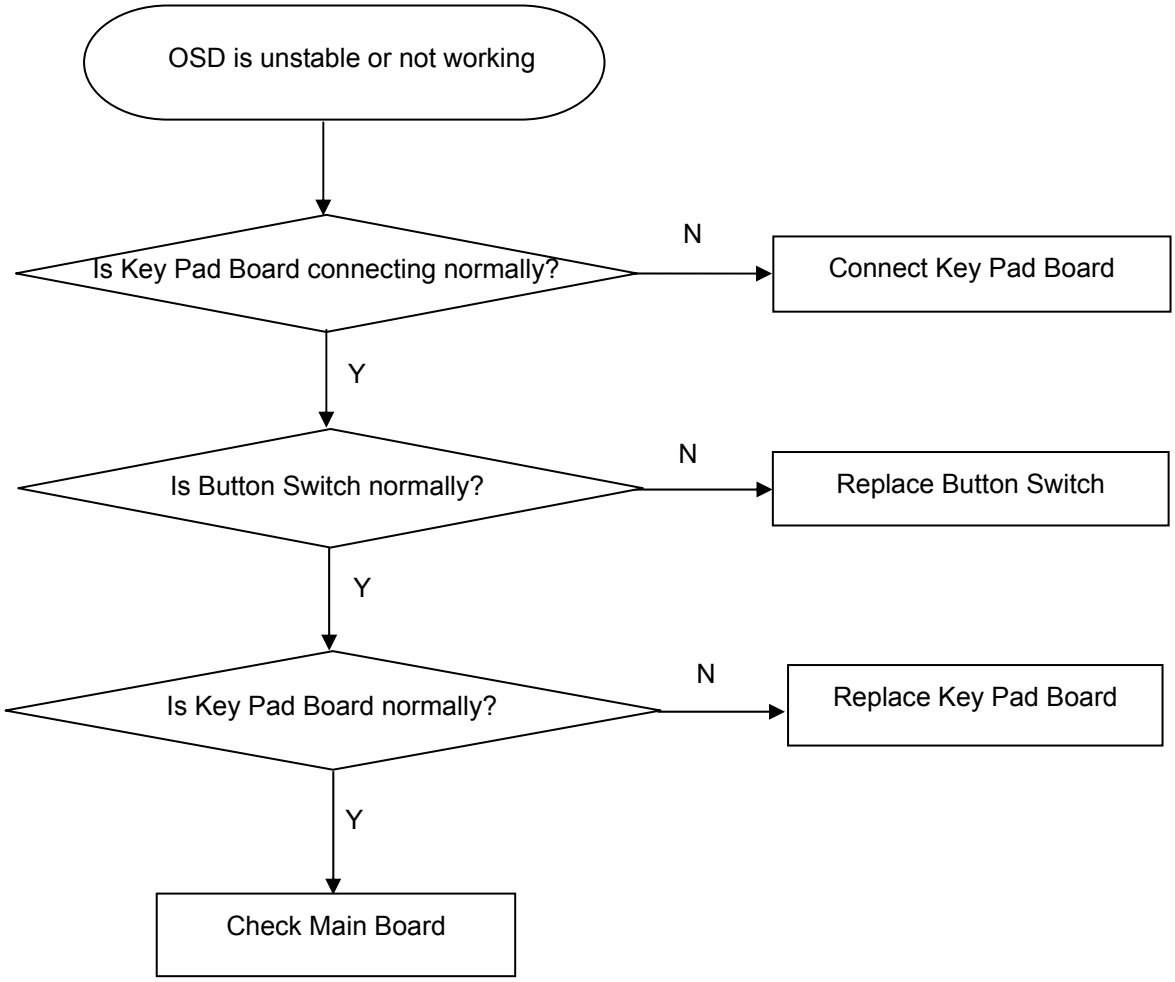
(1) No power



2.) W / LED, No Backlight



8.2.3 Keypad Board



9. White-Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. How to do the Chroma-7120 MEM. Channel setting

   A. Reference to chroma 7120 user guide

   B. Use " **SC**" key and " **NEXT**" key to modify $_{X}$yY value and use "**ID**" key to modify the

      TEXT description Following is the procedure to do white-balance adjust

2. Setting the color temp. you want

   A. MEM.CHANNEL 3 (Warm color):

      6500 color temp. parameter is x = 313±20, y = 329 ±20, Y =180 cd/m^2

   B. MEM.CHANNEL 4 (Cool color):

      7800 color temp. parameter is x = 296 ±20, y = 311 ±20, Y = 180 cd/m^2 ,

   C. MEM.CHANNEL 9 (sRGB color):

      sRGB color temp. parameter is x = 313±20, y = 329 ±20, Y =180 cd/m^2

3. Into factory mode of AOC 177Pk

   Turn on power, press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

   Set the **Contrast** to 50; Adjust the **Brightness** to 80.

5. Gain adjustment:

Move cursor to "-F-" and press MENU key

   A. Adjust Warm color-temperature

      1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
      2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
      3. The LCD-indicator on chroma 7120 will show x = 313 ±20, y = 329 ±20, Y = 180 cd/m^2
      4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
      5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100
      6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
      7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust Cool color-temperature

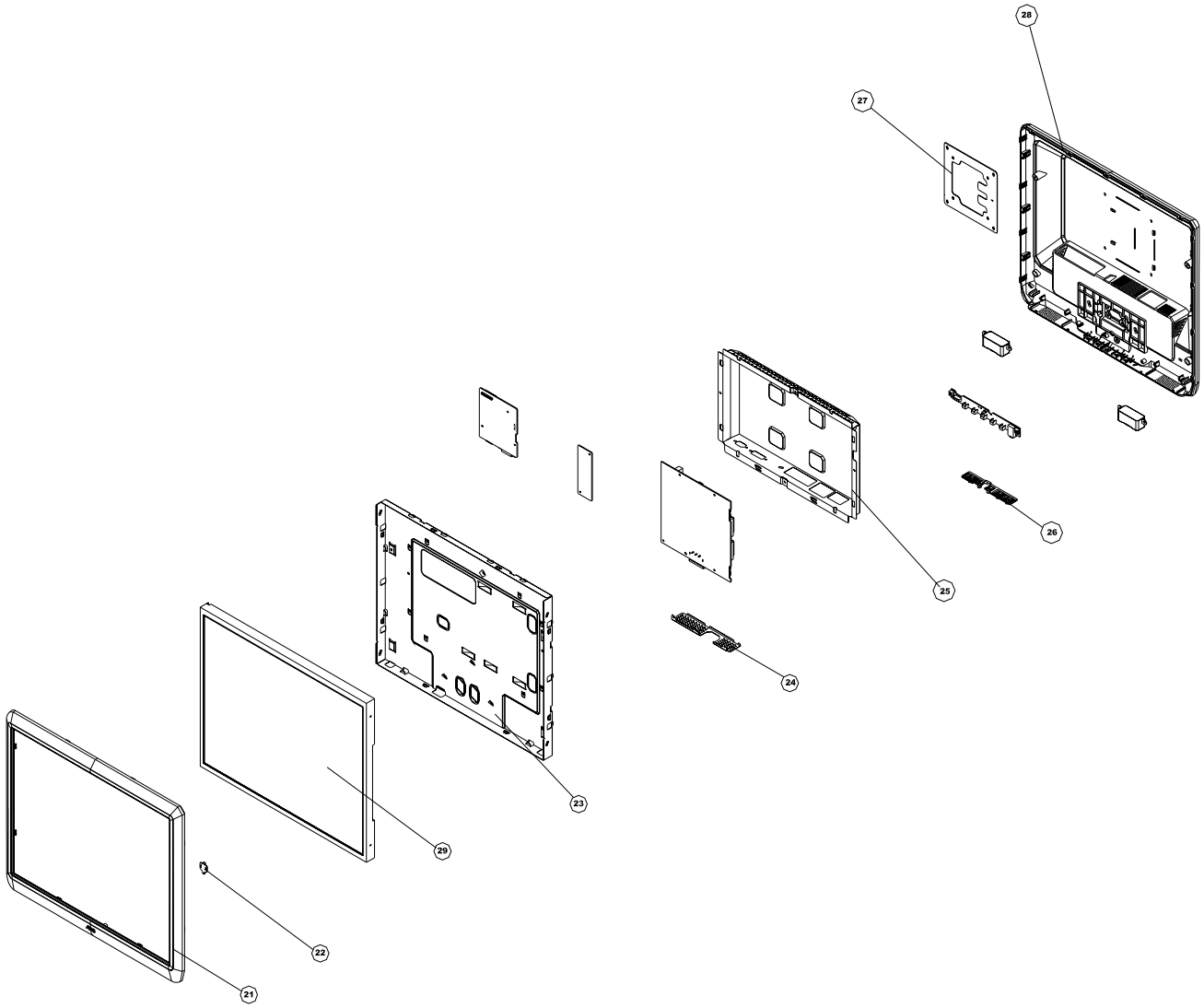
1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 296 ±20, y = 311 ±20, Y =180 cd/m^2
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust sRGB color-temperature

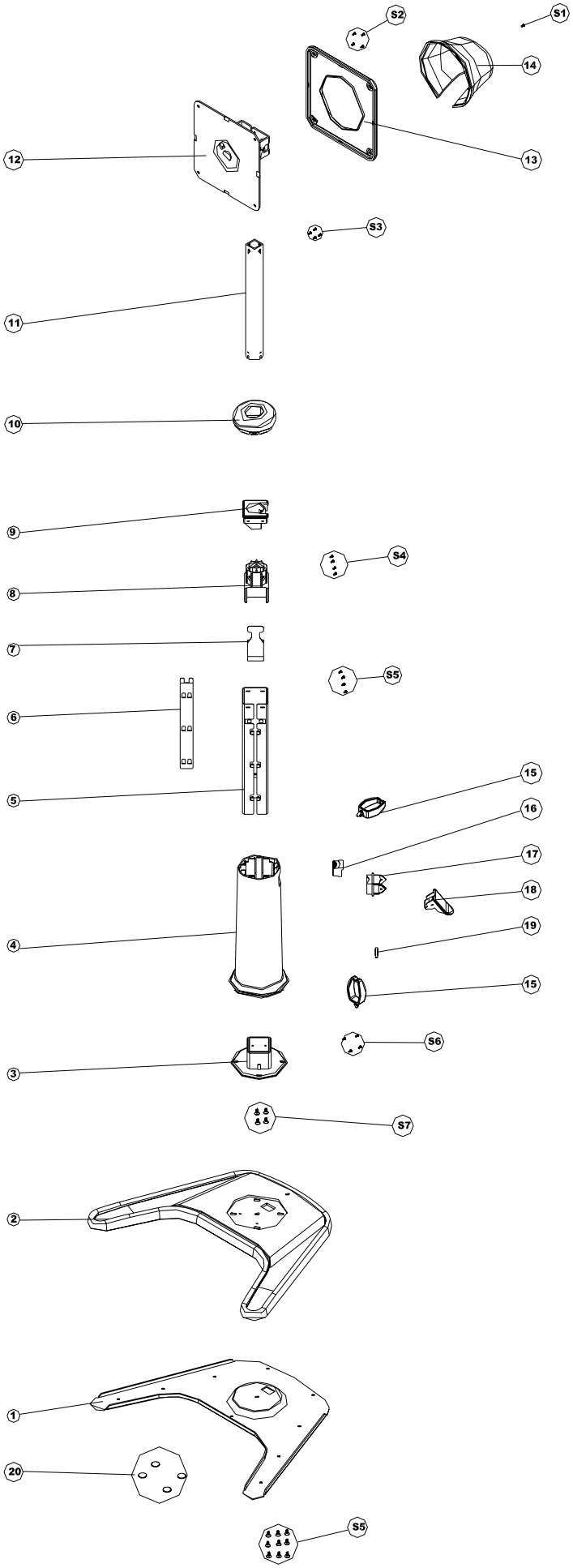
1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±20, y = 329 ±20, Y = 180 cd/m^2
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

D. Turn the Power-button off to quit from factory mode.

10. Monitor Exploded View



29	PANEL	750GLC70A7P11N	1
28	Rear Cover	Q34G1840 GM 1B	1
27	VRSA BRACKET	015G5786 1	1
26	KEY BUTTOM	Q33G4985 GM 1L	1
25	SHIELD	Q85G 740 1 1	1
24	AC SOCKET BRACKET	Q15G8313 1	1
23	Main Frame	Q15G8312 1	1
22	Power Lens	Q33G4986 1 1C	1
21	Bezel	Q34G1841 YDA1B 30	1


S2
S1
14
13
12
S3
11
10
9
S4
8
7
S5
6
5
15
16
17
18
19
4
15
S6
3
S7
2
1
20
S5

S7	Screw M3*5	Q1G330-5-120	4
S6	Screw M3*5	M1G2430-5-47	4
S5	Screw M3*6	Q1G330-6-120	13
S4	Screw M3*6	M1G130-6-225	4
S3	Screw M3*8	M1G130-8-120	4
S2	Screw M4*10	M1G2640-10-225	4
S1	Screw M3*6	M1G330-6-47	1
20	RUBBER	Q12G6300 25 3	4
19	Lock Pin	Q15G8329 1	1
18	Lift Cover	Q33G5001 GM 1L	1
17	LOCK HOLDER	Q33G0099 GM 1L	1
16	Stop Nylon	Q33G5003 GM 1L	1
15	Calbe Clip	Q33G5006 GM 1X 32	2
14	Hinge Cover	Q33G4999 GM 1L	1
13	Vesa Cover	Q33G4998 GM 1L	1
12	Hinge	037G 564 1	1
11	LOCK PIN	Q15G8329 1	1
10	Stand Cover	Q33G0076 GM 1L	1
9	LIFT BKT COVER	Q33G5004 GM 1X	1
8	Spring Holder	Q33G5005 GM 1X	1
7	Spring	Q19G0002 3	1
6	LIFT BKT F	Q15G0106 1	1
5	LIFT BT	Q15G0105 1	1
4	Stand	Q34G0099 GM 1B	1
3	LIFT BKT DIE CASTING	Q20G 042 1	1
2	Base	Q34G0115 GM 1B 20	1
1	Base Plate	Q15G0107 1	1
NO	Part name	Prat No	Q'ty
L1706A-F1-P2			

11. BOM List

T76CRTDBF1ACA

Location	Part No.	Description
	015G5786 1	VRSA BRACKET
	019G6034 1 GP	STOPPER PIN
	040G 581 26704	SHIPPING LABEL
	040G 581689 4A	SERIAL LABEL FOR MONITOR
	041G 68508 A	CONTROL CARD
	044G3231 5	EVA WASHER
	044G6002834 2A GP	PAPER BOARD
	044G9003210	CORNER PAPER
	044GH600 1	HANDLE 2
	050G 600 4	HANDLE 1
	052G 1186	SMALL TAPE
	078G 322 1A KL	SPK 8OHM 1.5W KUAIDA
	078G 322 1A KR	SPK 8OHM 1.5W KUAIDA
	089G 725LAA DB	D-SUB
	089G1745GAA AC	DVI CABLE
	089G404A15N YH	POWER CORD
	095G8014 16655	KEY HARNESS
	0M1G 130 5120	SCREW
	0M1G 330 4120	SCREW 42A9930008
	0M1G 330 6 47 CR3	SCREW 42-D005390
	0M1G1140 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G2640 10225 CR3	SCREW
	0Q1G 330 8 47 CR3	SCREW
	0Q1G 330 8120	SCREW 3X8MM 42A9930017/ 42-D002093
	0Q1G1030 8120	SCREW
	705GQ7K0P34022	BASE/STAND ASS'Y
	001G6023 1	SCREW
	037G 564 1	HINGE
	0M1G 130 6225 CR3	SCREW
	0M1G 130 8120	SCREW 42A9930022
	0M1G 330 6 47 CR3	SCREW 42-D005390
	0M1G2430 5 47 CR3	SCREW
	0Q1G 130 6120	SCREW (T3X6)
	0Q1G 330 5120	SCREW 42-D003574
	Q12G6300 25 3	RUBBER
	Q15G0105 1	LIFT BT
	Q15G0106 1	LIFT BKT F
	Q15G0107 1	BASE PLATE
	Q15G8329 1	LOCK PIN
	Q19G0002 3	SPRING
	Q20G 042 1	LIFT BKT DIE CASTING
	Q33G0076 GM 1L	TAND COVER

	Q33G0099 GM 1L	LOCK HOLDER
	Q33G4998 GM 1L	VESA COVER
	Q33G4999 GM 1L	HINGE COVER
	Q33G5001 GM 1L	LIFT COVER
	Q33G5003 GM 1L	STOP MYLON
	Q33G5004 GM 1X	LIFT BKT COVER
	Q33G5005 GM 1X	SPRING HOLDER
	Q34G0099 GM 1B	STAND
	Q34G0115 GM 1B 20	BASE
	750GLC70A7P13N	PANEL CLAA170EA07P 000 FZ CPT
	AUPC780KK6AP	AUDIO BOARD
CN202	033G802414C H	2*7PIN DUAL ROW RIGHT ANGLE H
U201	056G 616 1	IC E-TDA7496L ST
C202	067G215V471 3N GP	KY16VB470M-CC3 10*12.5
C201	067G215V471 3N GP	KY16VB470M-CC3 10*12.5
C208	067G215V471 3N GP	KY16VB470M-CC3 10*12.5
C207	067G215V471 3N GP	KY16VB470M-CC3 10*12.5
C205	067G215V471 3N GP	KY16VB470M-CC3 10*12.5
CN201	088G 30214K	PHONE JACK 5PIN
U201	090G6093 1	HEAT SINK
R208	061G0603102	RST CHIP 1K 1/10W 5%
R207	061G0603102	RST CHIP 1K 1/10W 5%
R211	061G0603203	RST CHIPR 20 KOHM +-5% 1/10W
R210	061G0603203	RST CHIPR 20 KOHM +-5% 1/10W
R202	061G0603204	RST CHIPR 200 KOHM +-5% 1/10W
C211	065G0805102 32	CHIP 1000P 50VX7R 0805
C212	065G0805102 32	CHIP 1000P 50VX7R 0805
C213	065G0805104 32	CHIP 0.1U 50V X7R
C203	065G0805104 32	CHIP 0.1U 50V X7R
C206	065G0805474 22	CHIP 0.47UF 25V X7R 0805
C204	065G0805474 22	CHIP 0.47UF 25V X7R 0805
R302	061G 60218352T	18KOHM 5% 1/6
R301	061G 60218352T	18KOHM 5% 1/6
R212	061G 60222452T	220KOHM 5% 1/6W
C209	067G215Y1007KT	KY50VB10M-TP5 5*11.5
C210	067G215Y1007KT	KY50VB10M-TP5 5*11.5
	715G1841 2	AUDIO BOARD PCB
	CBPC7CRTA1Q1	CONVERSION G2264-1-X-X-1-070420
CN501	033G801714A BH	CONNECTOR
CN504	033G801930F CH JS	CONNECTOR
CN101	033G8027 12	WAFER 2*6P 2.0MM R/A
CN502	033G8027 16	WAFER 16PIN 2.0MM DIP
	040G 45762412B	CBPC LABEL
C110	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C101	067G215V221 4N	KY25VB220-M-CC3 8*11.5MM
C419	067G305V101 3	105 摄氏度 100UF M 16V

C424	067G305V101 3	105 摄氏度 100UF M 16V
C425	067G305V101 3	105 摄氏度 100UF M 16V
C426	067G305V101 3	105 摄氏度 100UF M 16V
C504	067G305V101 3	105 摄氏度 100UF M 16V
C104	067G305V101 3	105 摄氏度 100UF M 16V
CN702	088G 35315F H	D-SUB 15PIN
CN701	088G 35424F N	DVI 24PIN CONN F
X301	093G 22 45 J	24MHZ/30PF/49US
U401-1	056G 562533	IC RTD2525L-LF
U101	056G 563 25	IC A1C1084-33PETR-R AIC
U402	056G1125701 X(LA6RWR7CAQ2)	IC MCU RTD2120L-LF REALTEK
U702	056G1133 34	M24C02-WMN6TP
U701	056G1133 34	M24C02-WMN6TP
U302	056G1133 56	M24C16-WMN6TP
Q105	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q104	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q103	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q102	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q301	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q302	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q401	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q402	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q403	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q501	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q502	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q503	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q504	057G 759 2	RK7002
Q101	057G 763 1	A03401 SOT23 BY AOS(A1)
RP501	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP308	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP307	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP502	061G 125101 8	RST CHIP AR 8P4R 100 OHM +-5% 1/16W
RP306	061G 125472 8	RST CHIP AR 8P4R 4.7 KOHM +-5% 1/16W
RP305	061G 125472 8	RST CHIP AR 8P4R 4.7 KOHM +-5% 1/16W
RP304	061G 125472 8	RST CHIP AR 8P4R 4.7 KOHM +-5% 1/16W
RP303	061G 125472 8	RST CHIP AR 8P4R 4.7 KOHM +-5% 1/16W
RP302	061G 125472 8	RST CHIP AR 8P4R 4.7 KOHM +-5% 1/16W
RP301	061G 125472 8	RST CHIP AR 8P4R 4.7 KOHM +-5% 1/16W
R110	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R327	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R328	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R429	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R430	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R431	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R432	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R517	061G0603000	RST CHIPR 0 OHM +-5% 1/10W

R518	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R434	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R433	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R727	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R726	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R725	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R724	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R723	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R722	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R721	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R720	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R519	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R719	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R718	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R714	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R712	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R707	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R425	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R424	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R343	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R334	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R333	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R331	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R319	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R329	061G0603102	RST CHIP 1K 1/10W 5%
R501	061G0603102	RST CHIP 1K 1/10W 5%
R106	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R107	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R502	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R108	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R510	061G0603121	RST CHIPR 120 OHM +-5% 1/10W
R509	061G0603121	RST CHIPR 120 OHM +-5% 1/10W
R330	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R713	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R730	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R729	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R717	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R716	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R715	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R105	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R701	061G0603361	RST CHIPR 360 OHM +-5% 1/10W
R703	061G0603361	RST CHIPR 360 OHM +-5% 1/10W
R706	061G0603361	RST CHIPR 360 OHM +-5% 1/10W
R709	061G0603361	RST CHIPR 360 OHM +-5% 1/10W
R711	061G0603361	RST CHIPR 360 OHM +-5% 1/10W
R728	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W

R522	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R521	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R520	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R511	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R508	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R506	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R342	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R317	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R302	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R301	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R101	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R102	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R104	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R113	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R336	061G0603682	RST CHIPR 6.8 KOHM +-5% 1/10W
R702	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R705	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R710	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R512	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
C303	065G0603100 31	CHIP 10PF+-0.5PF 50V NPO
C304	065G0603100 31	CHIP 10PF+-0.5PF 50V NPO
C420	065G0603101 32	100PF +-10% 50V X7R
C421	065G0603101 32	100PF +-10% 50V X7R
C423	065G0603101 32	100PF +-10% 50V X7R
C502	065G0603101 32	100PF +-10% 50V X7R
C505	065G0603101 32	100PF +-10% 50V X7R
C506	065G0603101 32	100PF +-10% 50V X7R
C507	065G0603101 32	100PF +-10% 50V X7R
C508	065G0603101 32	100PF +-10% 50V X7R
C512	065G0603101 32	100PF +-10% 50V X7R
C701	065G0603101 32	100PF +-10% 50V X7R
C717	065G0603101 32	100PF +-10% 50V X7R
C416	065G0603101 32	100PF +-10% 50V X7R
C415	065G0603101 32	100PF +-10% 50V X7R
C414	065G0603101 32	100PF +-10% 50V X7R
C411	065G0603101 32	100PF +-10% 50V X7R
C308	065G0603101 32	100PF +-10% 50V X7R
C302	065G0603101 32	100PF +-10% 50V X7R
C109	065G0603101 32	100PF +-10% 50V X7R
C108	065G0603101 32	100PF +-10% 50V X7R
C107	065G0603101 32	100PF +-10% 50V X7R
C106	065G0603101 32	100PF +-10% 50V X7R
C103	065G0603101 32	100PF +-10% 50V X7R
C102	065G0603101 32	100PF +-10% 50V X7R
C305	065G0603104 12	CER2 0603 X7R 16V 100N P
C105	065G0603105 12	CHIP 1UF 16VX7R 0603

C501	065G0603105 12	CHIP 1UF 16VX7R 0603
C705	065G0603150 31	CHIP 15PF 50V NPO
C708	065G0603150 31	CHIP 15PF 50V NPO
C712	065G0603150 31	CHIP 15PF 50V NPO
C715	065G0603151 31	CHIP CAP 150PF 50V NPO
C716	065G0603151 31	CHIP CAP 150PF 50V NPO
C718	065G0603151 31	CHIP CAP 150PF 50V NPO
C719	065G0603151 31	CHIP CAP 150PF 50V NPO
C704	065G0603473 32	CHIP 0.047UF 50V X7R
C706	065G0603473 32	CHIP 0.047UF 50V X7R
C709	065G0603473 32	CHIP 0.047UF 50V X7R
C710	065G0603473 32	CHIP 0.047UF 50V X7R
C711	065G0603473 32	CHIP 0.047UF 50V X7R
C713	065G0603473 32	CHIP 0.047UF 50V X7R
L102	071G 56K121	CHIP BEAD
L502	071G 56Z601	CHIP BEAD 600 OHM 0805
L501	071G 56Z601	CHIP BEAD 600 OHM 0805
L406	071G 56Z601	CHIP BEAD 600 OHM 0805
L404	071G 56Z601	CHIP BEAD 600 OHM 0805
L402	071G 56Z601	CHIP BEAD 600 OHM 0805
L401	071G 56Z601	CHIP BEAD 600 OHM 0805
L101	071G 56Z601	CHIP BEAD 600 OHM 0805
L701	071G 59C300	CHIP BEAD
L702	071G 59C300	CHIP BEAD
L703	071G 59C300	CHIP BEAD
L704	071G 59C300	CHIP BEAD
D720	093G 39147	TZMC5V6
D713	093G 39147	TZMC5V6
D712	093G 39147	TZMC5V6
D711	093G 39147	TZMC5V6
D710	093G 39147	TZMC5V6
D709	093G 39147	TZMC5V6
D708	093G 39147	TZMC5V6
D707	093G 39147	TZMC5V6
D705	093G 39147	TZMC5V6
D723	093G 39147	TZMC5V6
D724	093G 39147	TZMC5V6
D721	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D722	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D301	093G 6432V	LL4148-GSO8
D302	093G 6432V	LL4148-GSO8
D303	093G 6432V	LL4148-GSO8
D701	093G 6433P	BAV99
D702	093G 6433P	BAV99
D719	093G 6433P	BAV99
D703	093G 6433P	BAV99

D704	093G 6433P	BAV99
D706	093G 6433P	BAV99
D714	093G 6433P	BAV99
D715	093G 6433P	BAV99
D716	093G 6433P	BAV99
D717	093G 6433P	BAV99
D718	093G 6433P	BAV99
D101	093G1004 3	SS14
	715G2264 1	MAIN BAORD PCB
	KEPC6QC6	KEYG1819-1-2-X-3-061213
CN003	033G3802 2H	WAFER 2P RIGHT ANGLE
CN004	033G3802 2H	WAFER 2P RIGHT ANGLE
CN001	033G8027 12	WAFER 2*6P 2.0MM R/A
R002	061G 60251152T	510 OHM 5% 1/6W
R001	061G 60251152T	510 OHM 5% 1/6W
SW001	077G 602 1 CJ	TACT SWITCH
SW004	077G 602 1 CJ	TACT SWITCH
SW003	077G 602 1 CJ	TACT SWITCH
SW002	077G 602 1 CJ	TACT SWITCH
SW005	077G 602 1 CJ	TACT SWITCH
DP001	081G 12 2 GP	GP36032ME/50-ZO
CN0002	088G 30217T TO	PHONE JACK+SWITCH
C01	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
C02	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
FB02	071G 59B121	TB160808B
FB01	071G 59B121	TB160808B
FB110	071G 59B601 EA	CHIP BEAD 600 OHM
FB111	071G 59B601 EA	CHIP BEAD 600 OHM
FB109	071G 59B601 EA	CHIP BEAD 600 OHM
FB108	071G 59B601 EA	CHIP BEAD 600 OHM
FB107	071G 59B601 EA	CHIP BEAD 600 OHM
FB101	071G 59B601 EA	CHIP BEAD 600 OHM
FB102	071G 59B601 EA	CHIP BEAD 600 OHM
FB103	071G 59B601 EA	CHIP BEAD 600 OHM
FB106	071G 59B601 EA	CHIP BEAD 600 OHM
FB104	071G 59B601 EA	CHIP BEAD 600 OHM
FB105	071G 59B601 EA	CHIP BEAD 600 OHM
	715G1819 1 2	KEY BOARD PCB
	PWPC742HE1P	POWER G1823-3-X-X-3-070625
CN804	033G8021 2E AC	WAFER
CN803	033G8021 2E AC	WAFER
CN802	033G8021 2E AC	WAFER
CN801	033G8021 2E AC	WAFER
	040G 45762420A	LABEL 25X6MM
IC902	056G 139 7 1	IC EL817MA M-TYPE
NR901	061G 58080 WT	8 OHM NCT

R916	061G152M438 64	RST MOFR 0.43OHM +-5% 2WS
C909	063G107K474 US	0.47UF +-10%
C816	065G 3J1206ET	12PF 5% SL 3KV TDK
C825	065G 3J1206ET	12PF 5% SL 3KV TDK
C826	065G 3J3096ET	3PF,J,3KV,Z5P
C817	065G 3J3096ET	3PF,J,3KV,Z5P
C901	065G305M1022E2	1000P 400VAC/250VAC
C902	065G305M1022E2	1000P 400VAC/250VAC
C900	065G306M2222BP	2200PF +-20% 400VAC
C905	065G306M3322BP	3300PF 20%
C927	067G215L4713HL	470UF 16V HERMEI
C932	067G215L4713HL	470UF 16V HERMEI
C907	067G215S10115H	100UF 450V 18*36 105 BY
C926	067G215V1023HS	CAP L105℃ 1000UF M 16V
C925	067G215Y471 4H	EC CAP 105 度 470UF 25V
C820	067G215Y471 4H	EC CAP 105 度 470UF 25V
C811	067G215Y471 4H	EC CAP 105 度 470UF 25V
C924	067G215Y681 4H	680UF/25V 10*16 ZL
C923	067G215Y681 4H	680UF/25V 10*16 ZL
C922	067G215Y681 4H	680UF/25V 10*16 ZL
L922	073G 253 91 H	CHOKE COIL
L921	073G 253 91 H	CHOKE COIL
CN901	087G 501 32 S	AC SOCKET
BD901	093G 50460510	2KBP08M 2A 800V
D900	093G1100 1052T	BA159GPT DO-41 CHENMKO
D922	093G3006 1 1	31DQ06FC3 NIHON INTER
CN902	095G8014 12 42	HARNESS
	705G 900 11 06	Q900 ASS'Y
Q900	057G 667 47	FET FQPF8N60C FAIRCHILD
HS4 Q900	090G6264 1	HEAT SINK
	0M1G1730 8120	SCREW
	705G 909 11 06	R909 ASS'Y
R909	061G152M10458F	100K OHM 5% 2W
	096G 29 6	H.S. TUBE
	705GQ793014	D920 ASS'Y
D920	093G 60276	DIODE SBT150-10LST SANYO
	0M1G1730 10120	SCREW
HS3 D920	Q90G0062 2	HEAT SINK
	705LQ7K1 34001	SHIELD ASS'Y
	Q52G6019 14	TAPE
	Q85G0003 1	SHIELD
IC901	056G 379 61	LD7575PS SOP-8
IC801	056G 608 10	IC OZ9938GN-B SOIC-16
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q802	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q803	057G 417 4	PMBS3904/PHILIPS-SMT(04)

Q805	057G 763 14	AM9945N
Q806	057G 763 14	AM9945N
R837	061G0805100	10 OHM 1/10W
R842	061G0805100	10 OHM 1/10W
R911	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R831	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R821	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R927	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R930	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R836	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R843	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R913	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R925	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R928	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R803	061G0805103	10 KOHM 1/10W
R812	061G0805103	10 KOHM 1/10W
R915	061G0805103	10 KOHM 1/10W
R923	061G0805103	10 KOHM 1/10W
R810	061G0805104	RST CHIP 100K 1/8W 5%
R815	061G0805104	RST CHIP 100K 1/8W 5%
R809	061G0805105	1MOHM 1/10W
R813	061G0805105	1MOHM 1/10W
R816	061G0805105	1MOHM 1/10W
R830	061G0805150 2F	RST CHIPR 15 KOHM +-1% 1/8W
R820	061G0805150 2F	RST CHIPR 15 KOHM +-1% 1/8W
R811	061G0805154	RST CHIPR 150KOHM +-5% 1/8W
R929	061G0805240 1F	RST CHIPR 2.4KOHM +-1% 1/8W
R926	061G0805330 2F	RST CHIPR 33 KOHM +-1% 1/8W
R841	061G0805360 0F	RST CHIPR 360 OHM +-1% 1/8W
R827	061G0805360 1F	RST CHIPR 3.6KOHM +-1% 1/8W
R834	061G0805360 1F	RST CHIPR 3.6KOHM +-1% 1/8W
R924	061G0805360 1F	RST CHIPR 3.6KOHM +-1% 1/8W
R826	061G0805361	RST CHIPR 360 OHM +-5% 1/8W
R817	061G0805390 2F	RST CHIPR 39 KOHM +-1% 1/8W
R825	061G0805561	560 0805
R835	061G0805561	560 0805
R814	061G0805563	56KOHM 1/10W
C835	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
C836	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
C837	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
C838	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F902	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F903	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ901	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ902	061G1206000	RST CHIPR 0 OHM +-5% 1/4W

R912	061G1206100	RST CHIP 10R 1/4W 5%
R804	061G1206103	RST CHIPR 10 KOHM +-5% 1/4W
R905	061G1206103	RST CHIPR 10 KOHM +-5% 1/4W
R931	061G1206103	RST CHIPR 10 KOHM +-5% 1/4W
R818	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R819	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R828	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R829	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R807	061G1206220	RST CHIPR 22 OHM +-5% 1/4W
R802	061G1206304	300 KOHM 1/8W
R902	061G1206334	RST CHIPR 330KOHM +-5% 1/4W
R901	061G1206334	RST CHIPR 330KOHM +-5% 1/4W
R900	061G1206334	RST CHIPR 330KOHM +-5% 1/4W
R955	061G1206470	RST CHIPR 47 OHM +-5% 1/4W
R954	061G1206470	RST CHIPR 47 OHM +-5% 1/4W
R952	061G1206470	RST CHIPR 47 OHM +-5% 1/4W
R951	061G1206470	RST CHIPR 47 OHM +-5% 1/4W
R805	061G1206471	470 1206
R808	061G1206474	470KOHM 1/8W
R910	061G1206759	7R5 OHM 1/8W
C833	065G0805101 31	CHIP 100PF 50V NPD 0805
C805	065G0805102 32	CHIP 1000P 50VX7R 0805
C807	065G0805103 32	10NF/50V/0805/X7R
C803	065G0805103 32	10NF/50V/0805/X7R
C931	065G0805104 32	CHIP 0.1U 50V X7R
C930	065G0805104 32	CHIP 0.1U 50V X7R
C929	065G0805104 32	CHIP 0.1U 50V X7R
C928	065G0805104 32	CHIP 0.1U 50V X7R
C916	065G0805104 32	CHIP 0.1U 50V X7R
C912	065G0805104 32	CHIP 0.1U 50V X7R
C806	065G0805105 22	CHIP 1UF 25V X7R 0805
C812	065G0805152 32	CHIP 1500PF 50V X7R 0805
C813	065G0805152 32	CHIP 1500PF 50V X7R 0805
C822	065G0805152 32	CHIP 1500PF 50V X7R 0805
C823	065G0805152 32	CHIP 1500PF 50V X7R 0805
C913	065G0805221 32	CHIP 220PF 50V X7R 0805
C819	065G0805223 22	CHIP 0.022UF 25V X7R 080
C804	065G0805225 12	CHIP 2.2UF 16V X7R 0805
C831	065G0805271 31	MLCC 0805 270PF J 50V NP0
C827	065G0805271 31	MLCC 0805 270PF J 50V NP0
C818	065G0805271 31	MLCC 0805 270PF J 50V NP0
C830	065G0805470 31	47PF/50V/0805/NPO
C832	065G0805470 31	47PF/50V/0805/NPO
C914	065G0805471 22	470PF 25V
C810	065G080547131G	CHIP 0805 470PF G 50V NPO
C809	065G0805473 32	CHIP 0.047UF 50V X7R

C808	065G0805682 32	MLCC 0805 CAP 6800PF K 50V X7R
D801	093G 64 42 PP	BAV70 SOT-23
D803	093G 64 42 PP	BAV70 SOT-23
D916	093G 6432S	IN4148W
D915	093G 6432S	IN4148W
D910	093G 6432S	IN4148W
D802	093G 6433P	BAV99
D804	093G 6433P	BAV99
ZD801	093G 39S 24 T	RLZ 5.6B LLDS
ZD920	093G 39S 38 T	PTZ 9.1B
ZD921	093G 39S 40 T	RLZ 13B LLDS
CN901	006G 31500	EYELET
Q900	006G 31502	1.5MM RIVET
T901	006G 31502	1.5MM RIVET
L901	006G 31502	1.5MM RIVET
R916	006G 31502	1.5MM RIVET
NR901	006G 31502	1.5MM RIVET
PT802	006G 31502	1.5MM RIVET
PT801	006G 31502	1.5MM RIVET
L902	006G 31502	1.5MM RIVET
IC921	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
R922	061G 17247152T	470OHM 5% 1/4W
R822	061G212Y305 KT	MGFR 3M OHM +-5% 1/2W
R832	061G212Y305 KT	MGFR 3M OHM +-5% 1/2W
C910	065G 1K152 1T6052	1.5NF /1K Y5P+-10%
C920	065G517K102 5T	1000PF 10% Y5P 500V
C921	065G517K102 5T	1000PF 10% Y5P 500V
C911	067G 2152207NT	KY50VB22M-TP5 5*11
F901	084G 55 2	FUSE 2.5A 250V MET2.50 BY CONQUER
D901	093G1020 752T	UF4003PT DO-41 CHENMKO
	715G1823 3	POWER BOARD PCB
	Q51G 6 4508	RTV 胶
L902	S73G17465VW	LINE FILTER ASS'Y
L901	S73G17476V	LINE FILTER ASS'Y
T901	S80GL17T33V	TRANSFORMER ASS'Y
PT802	S80GL17T36V	TRANSFORMER ASS'Y
	034FPE19P03	CASE EEL19
PT801	S80GL17T36V	TRANSFORMER ASS'Y
	034FPE19P03	CASE EEL19
	Q07G 7 T154	COMPOUND PALLET
	Q15G8312 1	MAIN FRAME
	Q15G8313 1	AC SOCKET BRACKET
	Q33G4985 GM 1L	KEY BUTTOM
	Q33G4986 1 1C	POWER LENS
	Q33G5006 GM 1X 32	ALBE CLIP
	Q34G1840 GM 1B 30	REAR COVER(17")

	Q34G1841 YDA1B 30	BEZEL(17")
	Q40G 17N61554A	RATING LABEL
	Q40G 58161547A	AOC LOGO LABEL
	Q40G 58161552A	POP LABEL
	Q44G7039 1	EPS(L)
	Q44G7039 2	EPS(R)
	Q44G7039615 1B	CARTON
	Q44G7039BRO 1	PAPER-BLOCKED
	Q45G 88500 70	PE BAG FOR PALLET
	Q45G 88609 82	EPE BAG FOR BASE
	Q45G 88609 89	EPE BAG FOR MONITOR
	Q52G 1185 65	AOC MIDDLE TAPE
	Q52G6025 13 1	MYLAR
	Q52G6025 13147	INSULATE SHEET
	Q85G 740 1 1	SHIELD
	S89G179T30N559	LVDS ASS'Y
	089F80001703AG	1.0*30*3-170-3-0.65*0.05
	033F303FH10BK3	F1010HA-30P-BK
	033F303FJSHK30	1.0S-19-30A
	040G 58162435A	P/N LABEL
	041G780061553A	TCO'03 CARD
	041G780061554A	SERVICE CENTER LIST
	045G 76 28 RN	PE BAG FOR MANUAL
	089G 17356G553	AUDIO CABLE 1800MM
	Q41G7800615A64	QSG
	Q70G700661521A	CD MANUAL
	Q40G0001624 4A	PALLET LABEL

12. Different Parts List

Diversity of T76CRTDBF1A2E compared with T76CRTDBF1ACA		
Location	**Part No.**	**Description**
	089G 725GAA DB	D-SUB
	750GLC70A7P13V	PANEL CLAA170EA07P 000 FZ CPT